

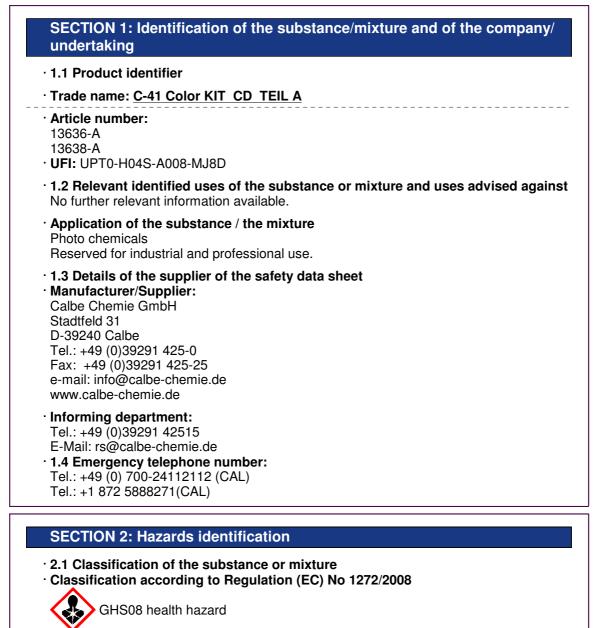
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H351 Suspected of causing cancer.

GHS07

Carc. 2

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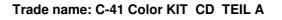
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	(Contd. of pag
Skin Sen	s. 1 H317 May cause an allergic skin reaction.
	elements according to Regulation (EC) No 1272/2008
	uct is classified and labelled according to the CLP regulation.
	ictograms
$\mathbf{\wedge}$	
$\langle ! \rangle$	
\sim	
GHS07 (àHS08
· Signal w	ord Warning
	etermining components of labelling:
	xylammonium) sulphate
	tatements
	y cause an allergic skin reaction.
	spected of causing cancer.
P261	onary statements Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection/
1 200	hearing protection.
P302+P3	52 IF ON SKIN: Wash with plenty of water.
	13 If exposed or concerned: Get medical advice/attention.
	13 If skin irritation or rash occurs: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/ international regulations.
· 2.3 Other	hazards
	al hazards known if the regulations/instructions for storage and handling are
	. Where applicable, this section provides information on other hazards that d
	in classification but may contribute to the overall hazards of the substance o
mixture.	uct does not contain any substance above legal limits that fulfils the criteria fo
	sistent, bioaccumulative and toxic) or vPvB (very persistent and very
bioaccum	ulative). The product does not contain any substance above the legal limits
	been included in the list drawn up in accordance with Article 59(1) of Regulati
	907/2006 due to endocrine disrupting properties or that has endocrine
disrupting	or endocrine disrupting properties in accordance with Commission Delegate
	n (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
	of PBT and vPvB assessment
• PBT: Not	applicable.
	(Contd. on pag



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· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of the substances listed below with harmless additions.

· Dangerous components:			
	bis(hydroxylammonium) sulphate	≥ 1 - < 2%	
EINECS: 233-118-8	상 Carc. 2, H351; STOT RE 2, H373		
	🚯 Met. Corr.1, H290		
	Aquatic Acute 1, H400		
	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit.		
	2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317		

· Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures
 General information Instantly remove any clothing soiled by the product. Personal protection for the First Aider.
- · After skin contact

Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.

· After eye contact

Rinse opened eye for several minutes under running water (at least 15 minutes). Remove contact lenses, if present and easy to do. Protect uninjured eye. Call a doctor immediately.

- After swallowing In case of persistent symptoms consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Basic relief, decontamination, symptomatic treatment.

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media · Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water spray jet or alcoholresistant foam.
- Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents Water with a full water iet.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters

· Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- · 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

· 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

· 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- · Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- · Requirements to be met by storerooms and containers: No special requirements.

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- Information about storage in one common storage facility: Keep away from foodstuffs, beverages and food.
- Further information about storage conditions: Keep container tightly sealed. Store in a cool place.
- Recommended storage temperature: 5-25 °C • Storage class
- (German Technical Rule for Hazardous Substance TRGS 510)
- 12
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- · Additional information:

The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

- · Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· Hand protection

Protective gloves.

The protective gloves to be used must comply with the specifications of the (EU) 2016/425 and the resultant standard EN 374.

This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

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· Decomposition temperature:

· pH

· Viscosity:

· dynamic:

· Kinematic viscosity

Only use chemic	cal-protective gloves with C	E-labelling of category III	(Contd. of page 5
		ation of the penetration time	e rates of
diffusion and the			5, 14165 01
· Material of glov	•		
Thickness	Breakthrough time		
THORNESS	(mm)	(min)	
Nitril rubber	0,38	> 480	
Neoprene	0,65	> 240	
Butyl rubber	0,36	> 480	
Avoid natural ruk			
		le of the following materia	Is are suitable:
Synthetic gloves		5	
Value for the per			
≥ 3 (60 min)			
, , , , , , , , , , , , , , , , , , ,			
· Eye/face protec	tion Safety glasses		
 Body protection 	n: Protective work clothing.		
SECTION 9: P	hysical and chemical p	properties	
	on basic physical and ch	nemical properties	
General Inform	ation		
· Physical state		Fluid	
· Colour:		Product specific	
· Odour:		Product specific	
 Odour threshol 		Not determined.	
 Melting point/fr 		Not determined	
 Boiling point or 	r initial boiling point and		
boiling range		100 ℃ (7732-18-5 water)	
· Flammability		Not applicable.	
· Lower and upp	er explosion limit		
· Lower:	-	Not determined.	
· Upper:		Not determined.	
· Flash point:		Not applicable	
		N a tala ta was ba a al	

Not determined.

Not determined.

Not determined.

Not determined.



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· Solubility		
· Water:	miscible	
 Partition coefficient n-octanol/water (log 	3	
value)	Not determined.	
· Vapour pressure at 20 ℃:	23 hPa (7732-18-5 water)	
 Density and/or relative density 		
· Density at 20 °C	1.1 g/cm ³	
 Relative density 	Not determined.	
· Vapour density	Not determined.	
· 9.2 Other information		
· Appearance:		
· Form:	Fluid	
· Important information on protection of		
health and environment, and on safety.		
· Self-inflammability:	Product is not selfigniting.	
· Explosive properties:	Product is not explosive.	
Change in condition		
· Evaporation rate	Not determined.	
· Information with regard to physical		
hazard classes		
· Explosives	Void	
· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
Flammable liquids	Void	
Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit		
flammable gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

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SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- **Thermal decomposition** / **conditions to be avoided:** No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

· Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

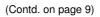
Oral LD50 52,991 mg/kg (rat)

Dermal LD50 128,205 mg/kg (rab)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation
- Based on available data, the classification criteria are not met.
- \cdot Respiratory or skin sensitisation May cause an allergic skin reaction.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Suspected of causing cancer.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- This statement was deduced from the properties of the single components.
- · 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.





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SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Ecotoxical effects: No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): Water-endangering. Do not allow product to reach ground water, water bodies or sewage system. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

The product does not contain organically bounded halogens (AOX-free).

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· Europear	n waste catalogue
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances
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HP7 Carcinogenic

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling. Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

• Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

 · 14.1 UN number or ID number · ADR/RID, IMDG, IATA 	Void
 · 14.2 UN proper shipping name · ADR/RID, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA · Class	Void
 14.4 Packing group ADR/RID, IMDG, IATA 	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for use	er Not applicable.
 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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(Contd. of page 10) Hazard pictograms GHS07 GHS08 · Signal word Warning · Hazard-determining components of labelling: bis(hydroxylammonium) sulphate · Hazard statements H317 May cause an allergic skin reaction. H351 Suspected of causing cancer. · Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eve protection/face protection/ hearing protection. P302+P352 IF ON SKIN: Wash with plenty of water. P308+P313 If exposed or concerned: Get medical advice/attention. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/ international regulations. Directive 2012/18/EU · Named dangerous substances - ANNEX I None of the ingredients is listed. · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 65 · DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II None of the ingredients is listed. · REGULATION (EU) 2019/1148 · Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)) None of the ingredients is listed. · Annex II - REPORTABLE EXPLOSIVES PRECURSORS None of the ingredients is listed. Regulation (EC) No 273/2004 on drug precursors None of the ingredients is listed. (Contd. on page 12) IRI



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Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations

- · Water hazard class: Water hazard class 2 (Self-assessment): water-endangering.
- · 15.2 Chemical safety assessment:
- A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· Relevant phrases

- H290 May be corrosive to metals.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation. H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Met. Corr.1: Corrosive to metals Category 1
- Acute Tox. 4: Acute toxicity Category 4 Skin Irrit. 2: Skin corrosion/irritation Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation Category 2
- Skin Sens. 1: Skin sensitisation Category 1
- Carc. 2: Carcinogenicity Category 2
- STOT RE 2: Specific target organ toxicity (repeated exposure) Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

Sources

Internal physical tests, MSDS of the ingredients, Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/ (Contd. on page 13)

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index.jsp applicable EEC directives: - 1907/2006 - 1272/2008 (Contd. of page 12)

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undertakir	.
1.1 Product	
Trade name	: <u>C-41 Color KIT_CD_TEIL B</u>
• Article num 13636-B 13638-B • UFI: 5HT0-0	oer: 0RY-Q008-9V38
	t identified uses of the substance or mixture and uses advised agains levant information available.
Photo chem	of the substance / the mixture cals · industrial and professional use.
Manufactur Calbe Chem Stadtfeld 31 D-39240 Ca Tel.: +49 (0) Fax: +49 (0)	e GmbH be 39291 425-0 39291 425-25 ocalbe-chemie.de
E-Mail: rs@ • 1.4 Emerge Tel.: +49 (0)	epartment: 39291 42515 albe-chemie.de ncy telephone number: 700-24112112 (CAL) 5888271(CAL)

· 2.1 Classification of the substance or mixture
 · Classification according to Regulation (EC) No 1272/2008

GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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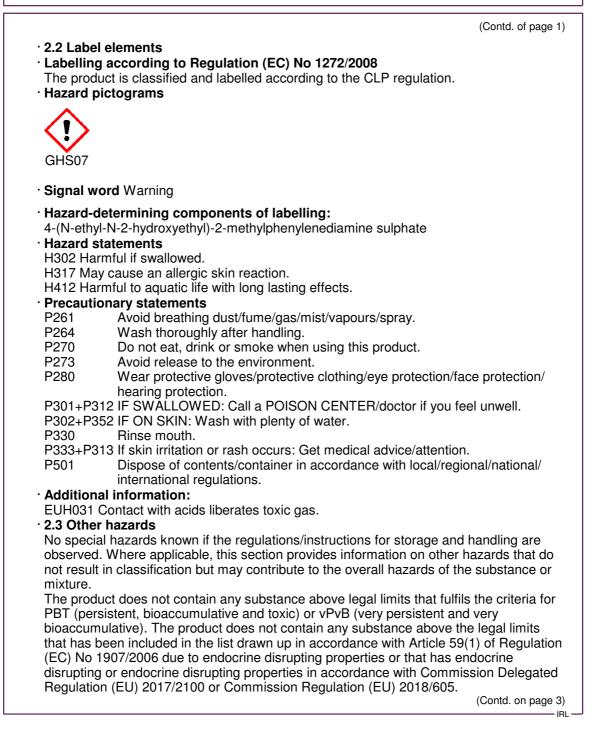
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· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of the substances listed below with harmless additions.

· Dangerous components:			
CAS: 25646-77-9	4-(N-ethyl-N-2-hydroxyethyl)-2-	≥ 2 - < 2.5%	
EINECS: 247-162-0	methylphenylenediamine sulphate		
	 Acute Tox. 3, H301 STOT RE 2, H373 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317 		

• Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information

Instantly remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 24 hours after the accident. Personal protection for the First Aider.

· After skin contact

Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.

- After eye contact
 Rinse opened eye for several minutes under running water (at least 15 minutes).
 Remove contact lenses, if present and easy to do.
 Protect uninjured eye.
 Call a doctor immediately.
- After swallowing Instantly call for doctor.
 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.

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• **4.3 Indication of any immediate medical attention and special treatment needed** Basic relief, decontamination, symptomatic treatment.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents

CO2, extinguishing powder or water jet. Fight larger fires with water spray jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

- For safety reasons unsuitable extinguishing agents Water with a full water jet. • 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- · 5.3 Advice for firefighters
- **Protective equipment:** Put on breathing apparatus. Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures Put on breathing apparatus.

6.2 Environmental precautions: Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system. Do not allow to enter drainage system, surface or ground water.
6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13. Ensure adequate ventilation.

• 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

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Prevent formation of aerosols.

- Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility: Do not store together with acids.

Keep away from foodstuffs, beverages and food.

- Further information about storage conditions: Store in a cool place.
- · Recommended storage temperature: 5-25 °C
- Storage class

(German Technical Rule for Hazardous Substance – TRGS 510)

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· 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

• Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information:

The lists that were valid during the compilation were used as basis.

- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

· Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

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		(Contd. of pag
Hand protectio	n	
Protective glove		
		ust comply with the specifications of the (EU)
	, ne resultant standard	
This recommen	dation applies only t	to the product stated in the Safety Data Sheet and
		pose specified by us.
		s with CE-labelling of category III.
Selection of the	glove material on c	onsideration of the penetration times, rates of
diffusion and the		·
· Material of glov	ves	
Thickness	Breakthroug	h time
	(mm)	(min)
Nitril rubber	Ò,38 ́	> 480
Neoprene	0,65	> 240
Butyl rubber	0,36	> 480
Avoid natural ru		
 As protection f 	rom splashes glov	ves made of the following materials are suitable
Synthetic gloves		
Value for the pe	rmeation: Level:	
≥ 3 (60 min) • Eye /face protee	ction Safety glasses	6
Eye/face protect	ction Safety glasses n: Protective work o	
Eye/face protectio Body protectio SECTION 9: P	n: Protective work of Physical and cher	clothing. mical properties
Eye/face protectio Body protectio SECTION 9: F 9.1 Information	n: Protective work of Physical and cherned on basic physical	clothing.
Eye/face protectio Body protectio SECTION 9: F 9.1 Information General Inform	n: Protective work of Physical and cherned on basic physical	nical properties
Eye/face protectio Body protectio SECTION 9: F 9.1 Information General Inform Physical state	n: Protective work of Physical and cherned on basic physical	clothing. mical properties I and chemical properties Fluid
Eye/face protectio Body protectio SECTION 9: P 9.1 Information General Inform Physical state Colour:	n: Protective work of Physical and cherned on basic physical	clothing. mical properties I and chemical properties Fluid Product specific
Eye/face protection Body protection SECTION 9: P 9.1 Information General Inform Physical state Colour: Odour:	n: Protective work of Physical and cher on basic physical ation	clothing. mical properties I and chemical properties Fluid Product specific Product specific
• Eye/face protectio • Body protectio • SECTION 9: P • 9.1 Information • General Inform • Physical state • Colour: • Odour: • Odour thresho	n: Protective work of Physical and cher on basic physical ation	clothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined.
Eye/face protection Body protection SECTION 9: P 9.1 Information General Inform Physical state Colour: Odour: Odour: Odour threshol	n: Protective work of Physical and cher on basic physical ation Id: reezing point:	clothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined
Eye/face protection Body protection SECTION 9: F 9.1 Information General Inform Physical state Colour: Odour: Odour thresho Melting point/fit Boiling point o	n: Protective work of Physical and cher on basic physical ation	clothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined nt and
Eye/face protection Body protection SECTION 9: F 9.1 Information General Inform Physical state Colour: Odour: Odour thresho Melting point/fin Boiling point o boiling range	n: Protective work of Physical and cher on basic physical ation Id: reezing point:	elothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined nt and 100 °C (7732-18-5 water)
Eye/face protection Body protection SECTION 9: F 9.1 Information General Inform Physical state Colour: Odour: Odour thresho Melting point/fin Boiling point o boiling range Flammability	n: Protective work of Physical and cher on basic physical nation Id: reezing point: r initial boiling poi	clothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined nt and
Eye/face protection Body protection SECTION 9: F 9.1 Information General Inform Physical state Colour: Odour: Odour threshol Melting point/fit Boiling point of boiling range Flammability Lower and upp	n: Protective work of Physical and cher on basic physical ation Id: reezing point:	elothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined nt and 100 °C (7732-18-5 water) Not applicable.
Eye/face protection Body protection SECTION 9: F 9.1 Information General Inform Physical state Colour: Odour: Odour threshol Melting point/fit Boiling point of boiling range Flammability Lower and upp Lower:	n: Protective work of Physical and cher on basic physical nation Id: reezing point: r initial boiling poi	elothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined 100 °C (7732-18-5 water) Not applicable. Not determined.
Eye/face protection Body protection SECTION 9: F 9.1 Information General Inform Physical state Colour: Odour: Odour thresho Melting point/fi Boiling point of boiling range Flammability Lower and upp Lower: Upper:	n: Protective work of Physical and cher on basic physical nation Id: reezing point: r initial boiling poi	elothing. mical properties I and chemical properties Fluid Product specific Product specific Not determined. Not determined 100 °C (7732-18-5 water) Not applicable. Not determined. Not determined.
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· pH	Not determined.	
· Viscosity:		
Kinematic viscosity	Not determined.	
· dynamic:	Not determined.	
· Solubility		
· Water:	miscible	
· Partition coefficient n-octanol/water (log		
value)	Not determined.	
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water)	
Density and/or relative density	, , , , , , , , , , , , , , , , , , ,	
· Density at 20 ℃	1.1 g/cm ³	
· Relative density	Not determined.	
· Vapour density	Not determined.	
• 9.2 Other information		
· Appearance: · Form:	Fluid	
	Fluid	
Important information on protection of		
health and environment, and on safety.	Dreduct is not colfigniting	
· Self-inflammability:	Product is not selfigniting.	
· Explosive properties:	Product is not explosive.	
· Change in condition	Nist data was in a d	
· Evaporation rate	Not determined.	
 Information with regard to physical 		
hazard classes		
· Explosives	Void	
 Flammable gases 	Void	
· Aerosols	Void	
 Oxidising gases 	Void	
 Gases under pressure 	Void	
 Flammable liquids 	Void	
Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
 Pyrophoric liquids 	Void	
Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit		
flammable gases in contact with water	Void	
· Oxidising liquids	Void	
Oxidising solids	Void	
· Organic peroxides	Void	
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		IF



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Corrosive to metals Desensitised explosives

Void Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

• 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 • Acute toxicity Harmful if swallowed.

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 1,956 mg/kg (rat)

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation
- Based on available data, the classification criteria are not met.
- \cdot Respiratory or skin sensitisation May cause an allergic skin reaction.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- \cdot STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
 Additional toxicological information:
- Additional toxicological information:

This statement was deduced from the properties of the single components.

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- · Ecotoxical effects: No further relevant information available.
- · Remark: Harmful to fish

· Additional ecological information:

· General notes:

This statement was deduced from the properties of the single components. Water hazard class 2 (German Regulation) (Self-assessment): Water-endangering. Do not allow product to reach ground water, water bodies or sewage system. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

Harmful to aquatic organisms

The product does not contain organically bounded halogens (AOX-free).

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

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(Contd. of page 9) Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· European	· European waste catalogue	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST	
16 05 00	gases in pressure containers and discarded chemicals	
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances	
HP12	Release of an acute toxic gas	
HP14	Ecotoxic	

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

• Recommended cleaning agent: Water, if necessary with cleaning agent.

· 14.1 UN number or ID number · ADR/RID, IMDG, IATA	Void
 14.2 UN proper shipping name ADR/RID, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA · Class	Void
 14.4 Packing group ADR/RID, IMDG, IATA 	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for use	r Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

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substance of Labelling ac	ccording to Regulation (EC) No 1272/2008 is classified and labelled according to the CLP regulation.
\wedge	
GHS07	
· Signal word	I Warning
4-(N-ethyl-N • Hazard stat H302 Harmf H317 May ca H412 Harmf • Precautiona P261 P264 P270 P273	ul if swallowed. ause an allergic skin reaction. ul to aquatic life with long lasting effects. ary statements Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.
P301+P312 P302+P352 P330 P333+P313 P501	Wear protective gloves/protective clothing/eye protection/face protection/ hearing protection. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF ON SKIN: Wash with plenty of water. Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container in accordance with local/regional/national/ international regulations.
	012/18/EU gerous substances - ANNEX I None of the ingredients is listed. ON (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
-	2011/65/EU on the restriction of the use of certain hazardous in electrical and electronic equipment – Annex II

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· REGULATION (EU) 2019/1148

- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
- None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

 Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations

· Decree to be applied in case of technical fault:

Class	Share in %
I	2.3

· Water hazard class: Water hazard class 2 (Self-assessment): water-endangering.

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· Relevant phrases

H301 Toxic if swallowed.

- H317 May cause an allergic skin reaction.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

• Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 3: Acute toxicity – Category 3

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Acute Tox. 4: Acute toxicity – Category 4 Skin Sens. 1: Skin sensitisation – Category 1 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3 Sources Internal physical tests, MSDS of the ingredients,

Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/ index.jsp

applicable EEC directives:

- 1907/2006
- 1272/2008



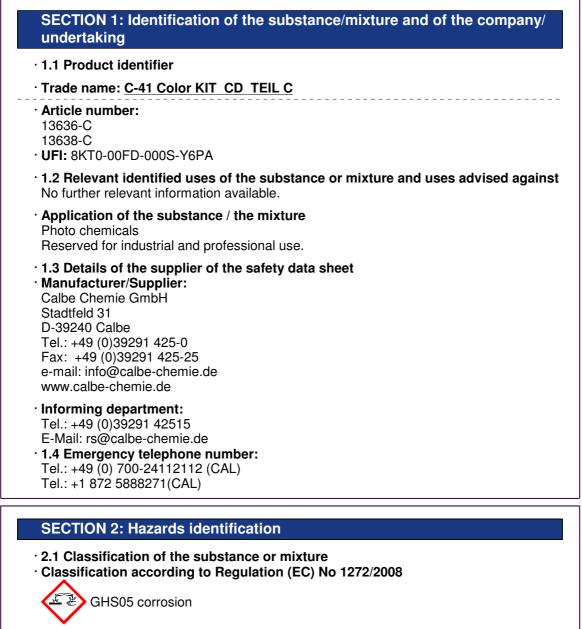
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Eye Dam. 1 H318 Causes serious eye damage.

GHS07

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 2.2 Label elements 2.2 Label schemats 2.2 Label alements 3.2 Label alements 3.3 Label alements 3.4 Label alements 3.5 Label alements 3.5 Label alements 3.6 Label alements 3.6 Label alements 3.6 Label alements 3.6 Label alements 3.7 Label alements 3.6 Label alements 3.6 Label alements 3.7 Label alements 3.6 Label alements 3.6 Label alements 3.6 Label alements 3.6 Label alements 3.7 Label alements 3.6 Label alements<th>Skin Irrit 2 H3</th><th>15 Causes skin irritation.</th><th>(Contd. of page 1</th>	Skin Irrit 2 H3	15 Causes skin irritation.	(Contd. of page 1
 Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation. Hazard pictograms GHS05 Signal word Danger Hazard-determining components of labelling: pentasodium(carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate Hazard statements H315 Causes skin irritation. H318 Causes serious eye damage. Precautionary statements P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 2.3 Other hazards No special hazards known if the regulations/instructions for storage and handling are observed. Where applicable, this section provides information on other hazards that do not result in classification but may contribute to the overall hazards of the substance or mixture. The product does not contain any substance above legal limits that fulfils the criteria for PBT (persistent, bioaccumulative and toxic) or VPVB (very persistent and very bioaccumulative). The product does not contain any substance above the legal limits that has been included in the list drawn up in accordance with Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Results of PBT and vPVB assessment PBT: Not applicable.			
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 2.3 Other hazards No special hazards known if the regulations/instructions for storage and handling are observed. Where applicable, this section provides information on other hazards that do not result in classification but may contribute to the overall hazards of the substance or mixture. The product does not contain any substance above legal limits that fulfils the criteria for PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative). The product does not contain any substance above the legal limits that has been included in the list drawn up in accordance with Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Results of PBT and vPvB assessment PBT: Not applicable. 		IF ON SKIN: Wash with plenty of water. 88 IF IN EYES: Rinse cautiously with water for se	
No special hazards known if the regulations/instructions for storage and handling are observed. Where applicable, this section provides information on other hazards that do not result in classification but may contribute to the overall hazards of the substance or mixture. The product does not contain any substance above legal limits that fulfils the criteria for PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative). The product does not contain any substance above the legal limits that has been included in the list drawn up in accordance with Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Results of PBT and vPvB assessment	· 2.3 Other hazar		tinde mising.
 PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative). The product does not contain any substance above the legal limits that has been included in the list drawn up in accordance with Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Results of PBT and vPvB assessment PBT: Not applicable. 	No special haza observed. Wher not result in clas	ds known if the regulations/instructions for storage applicable, this section provides information on	other hazards that do
 (EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Results of PBT and vPvB assessment PBT: Not applicable. 	PBT (persistent, bioaccumulative	bioaccumulative and toxic) or vPvB (very persist). The product does not contain any substance at	ent and very pove the legal limits
· PBT: Not applicable.	(EC) No 1907/20 disrupting or end Regulation (EU)	006 due to endocrine disrupting properties or that locrine disrupting properties in accordance with C 2017/2100 or Commission Regulation (EU) 2018	has endocrine Commission Delegated

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SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of the substances listed below with harmless additions.

· Dangerous compo	nents:	
CAS: 584-08-7 EINECS: 209-529-3	potassium carbonate Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥ 15 - < 20%
CAS: 140-01-2 EINECS: 205-391-3	pentasodium(carboxylatomethyl) iminobis(ethylenenitrilo)tetraacetate STOT RE 2, H373 Skin Corr. 1C, H314; Eye Dam. 1, H318 Acute Tox. 4, H332 ATE: LC50/4 h inhalative: 1.5 mg/l	≥ 3 - < 5%

· Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information

Instantly remove any clothing soiled by the product. Personal protection for the First Aider.

· After skin contact

Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.

· After eye contact

Rinse opened eye for several minutes under running water (at least 15 minutes). Remove contact lenses, if present and easy to do. Protect uninjured eye. Call a doctor immediately.

- · After swallowing In case of persistent symptoms consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Basic relief, decontamination, symptomatic treatment.

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media
 Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water spray jet or alcoholresistant foam. Use fire fighting measures that suit the environment.
- For safety reasons unsuitable extinguishing agents Water with a full water iet.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters

· Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions:
- Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

• 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions necessary if used correctly. • Information about protection against explosions and fires:
- No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility: Keep away from foodstuffs, beverages and food.

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- Further information about storage conditions: Keep container tightly sealed.
- Store in a cool place.
- Recommended storage temperature: 5-25 °C
 Storage class
 (German Technical Bule for Hazardous Substance TBGS)

(German Technical Rule for Hazardous Substance – TRGS 510) 12

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information:

The lists that were valid during the compilation were used as basis.

- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing. Wash hands during breaks and at the end of the work. Avoid contact with the skin. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working.

· Breathing equipment: Not required.

· Hand protection

Protective gloves.

The protective gloves to be used must comply with the specifications of the (EU) 2016/425 and the resultant standard EN 374.

This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us.

(min)

Only use chemical-protective gloves with CE-labelling of category III.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Thickness Breakthrough time (mm)

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(Contd. of page 5) Nitril rubber 0,38 > 480 Neoprene 0,65 > 240 Butyl rubber 0,36 > 480 Avoid natural rubber gloves. • As protection from splashes gloves made of the following materials are suitable: Synthetic gloves Value for the permeation: Level: ≥ 3 (60 min) • Eye/face protection Tightly sealed safety glasses.

· Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

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· Vapour density	Not determined.	
· 9.2 Other information		
· Appearance:		
· Form:	Fluid	
· Important information on protection of		
health and environment, and on safety.		
· Self-inflammability:	Product is not selfigniting.	
· Explosive properties:	Product is not explosive.	
· Change in condition		
· Evaporation rate	Not determined.	
· Information with regard to physical		
hazard classes		
· Explosives	Void	
· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
· Flammable liquids	Void	
· Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit		
flammable gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

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• 10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information

• 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 • Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Inhalative LC50/4 h 49.6 mg/l (ATE)

- Skin corrosion/irritation Causes skin irritation.
- · Serious eye damage/irritation Causes serious eye damage.
- · Respiratory or skin sensitisation
- Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- This statement was deduced from the properties of the single components.
- · 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

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- · 12.7 Other adverse effects
- Ecotoxical effects: No further relevant information available.
- · Additional ecological information:

· General notes:

This statement was deduced from the properties of the single components. Water hazard class 1 (German Regulation) (Self-assessment): Weakly waterendangering.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

The product does not contain organically bounded halogens (AOX-free).

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· European waste catalogue

•	•
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
	discarded organic chemicals consisting of or containing hazardous substances

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

· Recommended cleaning agent: Water, if necessary with cleaning agent.

Void

SECTION 14: Transport information

- · 14.1 UN number or ID number
- · ADR/RID, IMDG, IATA

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 14.2 UN proper shipping name ADR/RID, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
 ADR/RID, ADN, IMDG, IATA Class 	Void
 14.4 Packing group ADR/RID, IMDG, IATA 	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for use	er Not applicable.
 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the CLP regulation.
- · Hazard pictograms



- · Signal word Danger
- · Hazard-determining components of labelling:
- pentasodium(carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate
- · Hazard statements
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- Precautionary statements
 - P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 - P302+P352 IF ON SKIN: Wash with plenty of water.

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(Contd. of page 10) P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

· Directive 2012/18/EU

• Named dangerous substances - ANNEX I None of the ingredients is listed. • REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

• DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

 Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations

· Water hazard class:

Water hazard class 1 (Self-assessment): weakly water-endangering.

- · 15.2 Chemical safety assessment:
- A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· Relevant phrases

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

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(Contd. of page 11) IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity - Category 4 Skin Corr. 1C: Skin corrosion/irritation – Category 1C Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation - Category 2 STOT SE 3: Specific target organ toxicity (single exposure) - Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Sources Internal physical tests, MSDS of the ingredients, Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/ index.jsp applicable EEC directives: - 1907/2006 - 1272/2008 IRI



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1.1 1	Product identifier
Trac	le name: <u>C-41 Color KIT BX TEIL A</u>
Artio 1363 1363	
	Relevant identified uses of the substance or mixture and uses advised against urther relevant information available.
Phot	lication of the substance / the mixture o chemicals erved for industrial and professional use.
Man Calb Stad D-39 Tel.: Fax: e-ma	Details of the supplier of the safety data sheet ufacturer/Supplier: e Chemie GmbH tfeld 31 0240 Calbe +49 (0)39291 425-0 +49 (0)39291 425-25 ail: info@calbe-chemie.de 2.calbe-chemie.de
:.Tel E-M • 1.4 I Tel.:	rming department: +49 (0)39291 42515 ail: rs@calbe-chemie.de Emergency telephone number: +49 (0) 700-24112112 (CAL) +1 872 5888271(CAL)
0=0	CTION 2: Hazards identification

- · 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Void
 Hazard pictograms Void
 Signal word Void

- · Hazard statements Void
- · Additional information:
- EUH210 Safety data sheet available on request.

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· 2.3 Other hazards

No special hazards known if the regulations/instructions for storage and handling are observed. Where applicable, this section provides information on other hazards that do not result in classification but may contribute to the overall hazards of the substance or mixture.

The product does not contain any substance above legal limits that fulfils the criteria for PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative). The product does not contain any substance above the legal limits that has been included in the list drawn up in accordance with Article 59(1) of Regulation (EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties in accordance with Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

 \cdot **Description:** Mixture of the substances listed below with harmless additions.

· Dangerous compor	nents:	
CAS: 64-19-7	acetic acid	0.5 - 2%
EINECS: 200-580-7	🚯 Flam. Lig. 3, H226	-1
	🚯 Skin Corr. 1A, H314	
	🔥 Acute Tox. 4, H312	
	Specific concentration limits:	
	Skin Corr. 1A; H314: C ≥90 %	
	Skin Corr. 1B; H314: 25 % ≤ C < 90 %	
	Skin Irrit. 2; H315: 10 % ≤ C < 25 %	
	Eye Irrit. 2; H319: 10 % ≤ C < 25 %	
	CAS: 64-19-7	EINECS: 200-580-7

• Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

• General information Instantly remove any clothing soiled by the product. Personal protection for the First Aider.

· After skin contact The product is not skin irritating.

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· After eye contact

Rinse opened eye for several minutes under running water (at least 15 minutes). Remove contact lenses, if present and easy to do. Protect uninjured eye. Call a doctor immediately.

- · After swallowing In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Basic relief, decontamination, symptomatic treatment.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water spray jet or alcoholresistant foam.

Use fire fighting measures that suit the environment.

- · For safety reasons unsuitable extinguishing agents Water with a full water jet.
- · 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- · 5.3 Advice for firefighters

· Protective equipment: Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- 6.2 Environmental precautions:
- Do not allow to enter drainage system, surface or ground water. • 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections
- See Section 7 for information on safe handling
- See Section 8 for information on personal protection equipment.
- See Section 13 for information on disposal.

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SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions necessary if used correctly.
 Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility: Keep away from foodstuffs, beverages and food.
- Further information about storage conditions: Store in a cool place.
- · Recommended storage temperature: 5-25 ℃
- · Storage class 12
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

• Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

64-19-7 acetic acid	
OEL (Ireland)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
	IOELV
IOELV (European Union)	Short-term value: 50 mg/m ³ , 20 ppm
	Long-term value: 25 mg/m ³ , 10 ppm

· Additional information:

The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures
- The usual precautionary measures should be adhered to general rules for handling chemicals.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

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(Contd. of page 4) Avoid contact with the eyes and skin. Do not eat, drink or smoke while working. · Breathing equipment: Not required. · Hand protection Protective gloves. The protective gloves to be used must comply with the specifications of the (EU) 2016/425 and the resultant standard EN 374. This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us. Only use chemical-protective gloves with CE-labelling of category III. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves Thickness Breakthrough time (mm) (min) Nitril rubber 0,38 > 480 Neoprene 0,65 > 240 Butyl rubber 0,36 > 480 Avoid natural rubber gloves. • As protection from splashes gloves made of the following materials are suitable: Synthetic gloves Value for the permeation: Level: ≥ 3 (60 min) · Eye/face protection Safety glasses

9.1 Information on basic physic	sical and chemical properties
General Information	
Physical state	Fluid
Colour:	Product specific
Odour:	Product specific
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling	point and
boiling range	100 ℃ (7732-18-5 water)
Flammability	Not applicable.
Lower and upper explosion li	imit
Lower:	Not determined.
· Upper:	Not determined.

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· Flash point:	Not applicable	
 Decomposition temperature: 	Not determined.	
· pH	Not determined.	
Viscosity:		
Kinematic viscosity	Not determined.	
· dynamic:	Not determined.	
· Solubility		
· Water:	miscible	
 Partition coefficient n-octanol/water (log 	l	
value)	Not determined.	
Vapour pressure at 20 °C:	23 hPa (7732-18-5 water)	
Density and/or relative density	· · · · · · · · · · · · · · · · · · ·	
· Density at 20 ℃	1.1 g/cm ³	
· Relative density	Not determined.	
· Vapour density	Not determined.	
9.2 Other information		
· Appearance:		
· Form:	Fluid	
· Important information on protection of		
health and environment, and on safety.		
· Self-inflammability:	Product is not selfigniting.	
· Explosive properties:	Product is not explosive.	
· Change in condition		
· Evaporation rate	Not determined.	
•		
· Information with regard to physical		
hazard classes		
· Explosives	Void	
· Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
· Flammable liquids	Void	
· Flammable solids	Void	
• Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
• Substances and mixtures, which emit		
flammable gases in contact with water	Void	
· Oxidising liquids	Void	
		(Contd. on page



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· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
 Desensitised explosives 	Void	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 • Acute toxicity Based on available data, the classification criteria are not met.
- · LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 89,226 mg/kg (rabbit)

- Skin corrosion/irritation Based on available data, the classification criteria are not met. • Serious eye damage/irritation
- Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation
- Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- \cdot Aspiration hazard Based on available data, the classification criteria are not met.
- Additional toxicological information:

This statement was deduced from the properties of the single components.

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· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects
- Ecotoxical effects: No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Weakly water-endangering.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

The product does not contain organically bounded halogens (AOX-free).

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

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 European 	· European waste catalogue		
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST		
16 05 00	gases in pressure containers and discarded chemicals		
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances		
HP4	Irritant - skin irritation and eye damage		

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

· Recommended cleaning agent: Water, if necessary with cleaning agent.

 14.1 UN number or ID number ADR/RID, IMDG, IATA 	Void
 14.2 UN proper shipping name ADR/RID, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA · Class	Void
 14.4 Packing group ADR/RID, IMDG, IATA 	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for use	r Not applicable.
 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
· UN "Model Regulation":	Void

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	ON 15: Regulatory information
substan · Labellin · Hazard · Signal v	fety, health and environmental regulations/legislation specific for the nce or mixture ag according to Regulation (EC) No 1272/2008 Void pictograms Void word Void statements Void
	e 2012/18/EU
·DIRECT	dangerous substances - ANNEX I None of the ingredients is listed. IVE 2011/65/EU on the restriction of the use of certain hazardous inces in electrical and electronic equipment – Annex II
None of	the ingredients is listed.
·REGUL	ATION (EU) 2019/1148
	- RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the e of licensing under Article 5(3))
None of	the ingredients is listed.
· Annex I	I - REPORTABLE EXPLOSIVES PRECURSORS
None of	the ingredients is listed.
· Regulat	ion (EC) No 273/2004 on drug precursors
-	the ingredients is listed.
betweer	ion (EC) No 111/2005 laying down rules for the monitoring of trade n the Community and third countries in drug precursors
None of	the ingredients is listed.
· Nationa	I regulations
· Decree	to be applied in case of technical fault:
Class	Share in %
II	1.2
Water ha	azard class: azard class 1 (Self-assessment): weakly water-endangering. emical safety assessment: ical Safety Assessment has not been carried out.

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Relevar	nt phrases	
	lammable liquid and vapour.	
	larmful in contact with skin.	
H314 C	auses severe skin burns and eye damage.	
	viations and acronyms:	
Agreemer IMDG: Int IATA: Inte GHS: Glo EINECS: ELINCS: Che LC50: Let D50: Let PBT: Pers vPvB: ver Flam. Liq. Acute To	cord relatif au transport international des marchandises dangereuses par rou int Concerning the International Carriage of Dangerous Goods by Road) ternational Maritime Code for Dangerous Goods ernational Air Transport Association obally Harmonised System of Classification and Labelling of Chemicals European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances emical Abstracts Service (division of the American Chemical Society) thal concentration, 50 percent thal dose, 50 percent sistent, Bioaccumulative and Toxic ry Persistent and very Bioaccumulative 1. 3: Flammable liquids – Category 3 x. 4: Acute toxicity – Category 4 r. 1A: Skin corrosion/irritation – Category 1A	te (European
Informa (GESTI index.js	l physical tests, MSDS of the ingredients, ation system on hazardous substances of the German Social A IS-database on hazardous substances), http://www.dguv.de/ifa sp ble EEC directives: 2006	



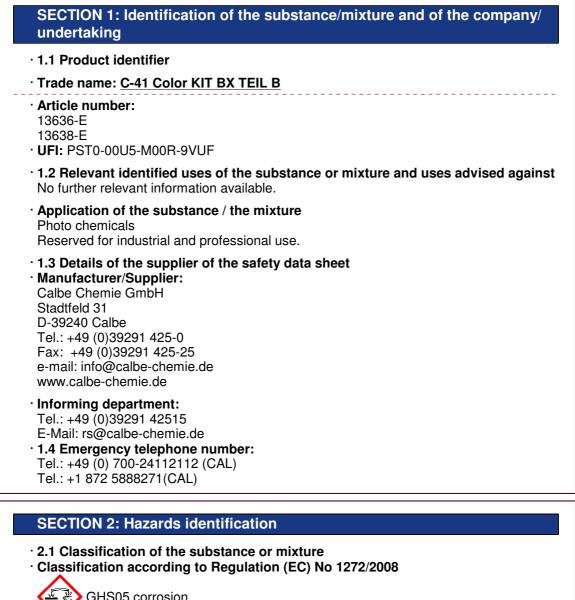
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GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

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	(Contd. of page
Skin Irrit. 2 H31	15 Causes skin irritation.
2.2 Label eleme	nts
Labelling accor	ding to Regulation (EC) No 1272/2008
	assified and labelled according to the CLP regulation.
Hazard pictogra	
▲ · · ·	
.F.W	
GHS05	
GH305	
Signal word Da	nger
Hazard-determi	ning components of labelling:
disodium disulph	
acetic acid	
· Hazard stateme	nts
H315 Causes sk	
	rious eye damage.
Precautionary s	
P280	Wear protective gloves/protective clothing/eye protection/face
	protection/hearing protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P33	38 IF IN EYES: Rinse cautiously with water for several minutes. Remov
	contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
Additional infor	
	t with acids liberates toxic gas.
2.3 Other hazar	
	rds known if the regulations/instructions for storage and handling are
	e applicable, this section provides information on other hazards that do
mixture.	sification but may contribute to the overall hazards of the substance or
	s not contain any substance above legal limits that fulfils the criteria for
	bioaccumulative and toxic) or vPvB (very persistent and very
). The product does not contain any substance above the legal limits
	cluded in the list drawn up in accordance with Article 59(1) of Regulatio
	006 due to endocrine disrupting properties or that has endocrine
	locrine disrupting properties in accordance with Commission Delegated
	2017/2100 or Commission Regulation (EU) 2018/605.
	and vPvB assessment
PBT: Not applica	
	(Contd. on page



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· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

• **Description:** Mixture of the substances listed below with harmless additions.

· Dangerous compor	nents:	
CAS: 7681-57-4 EINECS: 231-673-0	disodium disulphite Eye Dam. 1, H318 Acute Tox. 4, H302 EUH031	5 - 10%
CAS: 64-19-7 EINECS: 200-580-7	acetic acid Flam. Liq. 3, H226 Skin Corr. 1A, H314 Acute Tox. 4, H312 Specific concentration limits: Skin Corr. 1A; H314: $C \ge 90 \%$ Skin Corr. 1B; H314: 25 % $\le C < 90 \%$ Skin Irrit. 2; H315: 10 % $\le C < 25 \%$ Eye Irrit. 2; H319: 10 % $\le C < 25 \%$	0.5 - 2%
CAS: 1310-58-3 EINECS: 215-181-3	potassium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314 Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: $C \ge 5 \%$ Skin Corr. 1B; H314: $2 \% \le C < 5 \%$ Skin Irrit. 2; H315: $0.5 \% \le C < 2 \%$ Eye Irrit. 2; H319: $0.5 \% \le C < 2 \%$	≥ 0.5 - < 2%

· Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information

Instantly remove any clothing soiled by the product. Personal protection for the First Aider.

· After skin contact

Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.

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· After eye contact

Rinse opened eye for several minutes under running water (at least 15 minutes). Remove contact lenses, if present and easy to do. Protect uninjured eye. Call a doctor immediately.

- · After swallowing In case of persistent symptoms consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed Basic relief, decontamination, symptomatic treatment.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water spray jet or alcoholresistant foam.

Use fire fighting measures that suit the environment.

- For safety reasons unsuitable extinguishing agents Water with a full water jet.
- · 5.2 Special hazards arising from the substance or mixture
- No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Put on breathing apparatus. Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Put on breathing apparatus.
- Wear protective equipment. Keep unprotected persons away.
- · 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water. · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralising agent.

Dispose of contaminated material as waste according to item 13.

- · 6.4 Reference to other sections
- See Section 7 for information on safe handling

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See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling No special precautions necessary if used correctly.

- Information about protection against explosions and fires: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility: Do not store together with acids.

Keep away from foodstuffs, beverages and food.

- Further information about storage conditions: Keep container tightly sealed. Store in a cool place.
- · Recommended storage temperature: 5-25 °C
- · Storage class 12
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

• Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

7681-57-4 disodium disu	Iphite
OEL (Ireland)	Long-term value: 5 mg/m ³
64-19-7 acetic acid	
OEL (Ireland)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm IOELV
IOELV (European Union)	Short-term value: 50 mg/m ³ , 20 ppm Long-term value: 25 mg/m ³ , 10 ppm
1310-58-3 potassium hy	droxide
OEL (Ireland)	Short-term value: 2 mg/m ³
	(Contd. on page)



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8.2 Exposure con Appropriate engir Individual protect General protective	valid during the controls neering controls N ion measures, sur- e and hygienic me onary measures sh odstuffs, beverage ely all contaminated g breaks and at the the skin. the eyes and skin. r smoke while work	nould be adhered to general rules for handling is and food. d clothing. e end of the work.
8.2 Exposure com Appropriate engine Individual protect General protective The usual precaution chemicals. Keep away from fo Take off immediate Wash hands during Avoid contact with Do not eat, drink on Breathing equipment	trols neering controls N ion measures, su e and hygienic me onary measures sh odstuffs, beverage ely all contaminated g breaks and at the the skin. the eyes and skin. r smoke while work	No further data; see section 7. ch as personal protective equipment easures hould be adhered to general rules for handling is and food. d clothing. e end of the work.
Appropriate engin Individual protect General protective The usual precaution chemicals. Keep away from fo Take off immediate Wash hands during Avoid contact with Do not eat, drink on Breathing equipm Hand protection	eering controls N ion measures, su e and hygienic me onary measures sh odstuffs, beverage ely all contaminated g breaks and at the the skin. the eyes and skin. r smoke while work	ch as personal protective equipment easures hould be adhered to general rules for handling is and food. d clothing. e end of the work.
Breathing equipm Hand protection		king.
Hand protection	ent: Not required.	
2016/425 and the r This recommendat supplied by us as v Only use chemical-	esultant standard E ion applies only to vell as to the purpo protective gloves v ove material on con egradation	the product stated in the Safety Data Sheet and
Thickness	Breakthrough t	time
Nitril rubber Neoprene Butyl rubber Avoid natural rubbe	(mm) 0,38 0,65 0,36	(min) > 480 > 240 > 480
	n splashes gloves	s made of the following materials are suitable:
Eye/face protection	n Tightly sealed sa	afety glasses.
Body protection:		

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- IRL -

SECTION 9: Physical and chemical p	properties	
· 9.1 Information on basic physical and chemical properties		
· General Information		
· Physical state	Fluid	
· Colour:	Product specific	
· Odour:	Product specific	
· Odour threshold:	Not determined.	
 Melting point/freezing point: 	Not determined	
· Boiling point or initial boiling point and		
boiling range	100 ℃ (7732-18-5 water)	
· Flammability	Not applicable.	
Lower and upper explosion limit		
· Lower:	Not determined.	
· Upper:	Not determined.	
· Flash point:	Not applicable	
 Decomposition temperature: 	Not determined.	
· pH	Not determined.	
· Viscosity:		
· Kinematic viscosity	Not determined.	
· dynamic:	Not determined.	
· Solubility		
· Water:	miscible	
· Partition coefficient n-octanol/water (log	I	
value)	Not determined.	
 Vapour pressure at 20 °C: 	23 hPa (7732-18-5 water)	
 Density and/or relative density 		
· Density at 20 °C	1.1 g/cm ³	
· Relative density	Not determined.	
· Vapour density	Not determined.	
· 9.2 Other information		
· Appearance:		
· Form:	Fluid	
· Important information on protection of		
health and environment, and on safety.		
· Self-inflammability:	Product is not selfigniting.	
· Explosive properties:	Product is not explosive.	
 Change in condition 		
 Evaporation rate 	Not determined.	
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· Information with regard to physical		
hazard classes		
· Explosives	Void	
Flammable gases	Void	
· Aerosols	Void	
· Oxidising gases	Void	
· Gases under pressure	Void	
· Flammable liquids	Void	
· Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit		
flammable gases in contact with water	Void	
· Oxidising liquids	Void	
Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

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· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 27,559 mg/kg

Dermal LD50 58,987 mg/kg (rabbit)

Skin corrosion/irritation Causes skin irritation.

- Serious eye damage/irritation Causes serious eye damage.
- · Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure
- Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.
- Additional toxicological information:
 - This statement was deduced from the properties of the single components.
- \cdot 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- · Ecotoxical effects: No further relevant information available.

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· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Weakly waterendangering.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

The product does not contain organically bounded halogens (AOX-free).

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· European waste catalogue

-	-
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances
HP4	Irritant - skin irritation and eye damage
HP12	Release of an acute toxic gas

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

· Recommended cleaning agent: Water, if necessary with cleaning agent.

SECTION 14: Transport information

- · 14.1 UN number or ID number · ADR/RID, IMDG, IATA
 - Void

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 14.2 UN proper shipping name ADR/RID, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for use	r Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the CLP regulation.
- · Hazard pictograms



- · Signal word Danger
- Hazard-determining components of labelling: disodium disulphite acetic acid
- Hazard statements
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
- Precautionary statements P280 Wear prot

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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(Contd. of page 1 P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remov contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/attention.
 Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ingredients is listed.
· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 65
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous
substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
· REGULATION (EU) 2019/1148
• Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
• Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
· National regulations
-
• Decree to be applied in case of technical fault:
Class Share in %
II 1.8
· Water hazard class:
Water hazard class 1 (Self-assessment): weakly water-endangering.
· 15.2 Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.
·
SECTION 16: Other information
· Relevant phrases

Flammable liquid and vapour. May be corrosive to metals. H226

- H290
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.

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(Contd. of page 12) H314 Causes severe skin burns and eye damage. Causes serious eye damage. H318 EUH031 Contact with acids liberates toxic gas. · Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Liq. 3: Flammable liquids - Category 3 Met. Corr.1: Corrosive to metals - Category 1 Acute Tox. 4: Acute toxicity - Category 4 Skin Corr. 1A: Skin corrosion/irritation – Category 1A Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Sources Internal physical tests, MSDS of the ingredients, Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/ index.jsp applicable EEC directives: - 1907/2006 - 1272/2008 IRL



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SECTION 1: Identification of the substance/mixture and of t undertaking	he company/
· 1.1 Product identifier	
· Trade name: C-41 Color KIT STAB	
• Article number: 13636-F 13638-F	
 1.2 Relevant identified uses of the substance or mixture and uses No further relevant information available. 	advised against
 Application of the substance / the mixture Photo chemicals Reserved for industrial and professional use. 	
 1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: Calbe Chemie GmbH Stadtfeld 31 D-39240 Calbe Tel.: +49 (0)39291 425-0 Fax: +49 (0)39291 425-25 e-mail: info@calbe-chemie.de www.calbe-chemie.de 	
 Informing department: Tel.: +49 (0)39291 42515 E-Mail: rs@calbe-chemie.de 1.4 Emergency telephone number: Tel.: +49 (0) 700-24112112 (CAL) Tel.: +1 872 5888271(CAL) 	
SECTION 2: Hazards identification	
 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 The product is not classified, according to the CLP regulation. 2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Void 	
 Hazard pictograms Void Signal word Void Hazard statements Void Precautionary statements P280 Wear protective gloves/protective clothing/eye prote 	ection/face
protection/hearing protection.	(a.).

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(Contd. of page 1) P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
· Additional information:
EUH208 Contains 1,2-benzisothiazol-3(2H)-one, methenamine. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
Product contains: Reportable explosives precursors. Making available, introduction,
possession and use according to Regulation (EU) 2019/1148, Article 9.
· 2.3 Other hazards
No special hazards known if the regulations/instructions for storage and handling are
observed. Where applicable, this section provides information on other hazards that do
not result in classification but may contribute to the overall hazards of the substance or mixture.
The product does not contain any substance above legal limits that fulfils the criteria for
PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very
bioaccumulative). The product does not contain any substance above the legal limits
that has been included in the list drawn up in accordance with Article 59(1) of Regulation
(EC) No 1907/2006 due to endocrine disrupting properties or that has endocrine
disrupting or endocrine disrupting properties in accordance with Commission Delegated
Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.
· Results of PBT and vPvB assessment
• PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of the substances listed below with harmless additions.

CAS: 100-97-0 EINECS: 202-905-8methenamine \bigcirc Flam. Sol. 2, H228 \bigcirc Skin Sens. 1, H317 $\ge 0.1 - < 0.5\%$ CAS: 2634-33-5 EINECS: 220-120-91,2-benzisothiazol-3(2H)-one \bigcirc Eye Dam. 1, H318 \circlearrowright Aquatic Acute 1, H400 \circlearrowright Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C $\ge 0.05\%$ < 0.05\%	· Dangerous components:		
EINECS: 220-120-9 Aquatic Acute 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit:		Elam. Sol. 2. H228	≥ 0.1 - < 0.5%
		 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: 	< 0.05%



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• Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

 • 4.1 Description of first aid measures
 • General information Instantly remove any clothing soiled by the product. Personal protection for the First Aider.

· After skin contact

Instantly wash with water and soap and rinse thoroughly. Instantly rinse with water.

- After eye contact
 Rinse opened eye for several minutes under running water (at least 15 minutes).
 Remove contact lenses, if present and easy to do.
 Protect uninjured eye.
 Call a doctor immediately.
- After swallowing In case of persistent symptoms consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** Basic relief, decontamination, symptomatic treatment.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
 Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water spray jet or alcoholresistant foam. Use fire fighting measures that suit the environment.
 For safety reasons unsuitable extinguishing agents Water with a full water jet.
 5.2 Special hazards arising from the substance or mixture No further relevant information available.
 - · 5.3 Advice for firefighters
 - Protective equipment: Do not inhale explosion gases or combustion gases.

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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
- 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions necessary if used correctly. • Information about protection against explosions and fires:
- No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage
- · Requirements to be met by storerooms and containers: No special requirements.
- Information about storage in one common storage facility:
- Keep away from foodstuffs, beverages and food.
- Further information about storage conditions: Store in a cool place.
- Recommended storage temperature: 5-25 °C
- · Storage class 12
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls
- Appropriate engineering controls No further data; see section 7.

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Trade name: C-41 Color KIT STAB (Contd. of page 4) · Individual protection measures, such as personal protective equipment · General protective and hygienic measures The usual precautionary measures should be adhered to general rules for handling chemicals. Keep away from foodstuffs, beverages and food. Take off immediately all contaminated clothing. Wash hands during breaks and at the end of the work. Avoid contact with the eyes. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working. · Breathing equipment: Not required. · Hand protection Protective gloves. The protective gloves to be used must comply with the specifications of the (EU) 2016/425 and the resultant standard EN 374. This recommendation applies only to the product stated in the Safety Data Sheet and supplied by us as well as to the purpose specified by us. Only use chemical-protective gloves with CE-labelling of category III. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation · Material of gloves Thickness Breakthrough time (mm) (min) Nitril rubber 0.38 > 480 Neoprene 0.65 > 240 > 480 Butyl rubber 0,36 Avoid natural rubber gloves. • As protection from splashes gloves made of the following materials are suitable: Synthetic gloves Value for the permeation: Level: ≥ 3 (60 min) · Eye/face protection Safety glasses · Body protection: Protective work clothing. **SECTION 9: Physical and chemical properties** 9.1 Information on basic physical and chemical properties

General Information
 General Information
 Physical state
 Fluid
 Colour:
 Product specific

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· Odour:	Product specific	
Odour threshold:	Not determined.	
• Melting point/freezing point:	Not determined	
Boiling point or initial boiling point and		
boiling range	100 ℃ (7732-18-5 water)	
· Flammability	Not applicable.	
Lower and upper explosion limit		
· Lower:	Not determined.	
· Upper:	Not determined.	
· Flash point:	Not applicable	
Decomposition temperature:	Not determined.	
· pH	Not determined.	
· Viscosity:		
· Kinematic viscosity	Not determined.	
· dynamic:	Not determined.	
· Solubility	Not determined.	
· Water:	miscible	
Partition coefficient n-octanol/water (log		
	·	
value)	Not determined.	
· Vapour pressure at 20 °C:	23 hPa (7732-18-5 water)	
• Density and/or relative density		
Density at 20 ℃	1.1 g/cm ³	
Relative density	Not determined.	
· Vapour density	Not determined.	
 9.2 Other information 		
· Appearance:		
· Form:	Fluid	
 Important information on protection of 		
health and environment, and on safety.		
· Self-inflammability:	Product is not selfigniting.	
• Explosive properties:	Product is not explosive.	
Change in condition	-	
· Evaporation rate	Not determined.	
· Information with regard to physical		
hazard classes		
· Explosives	Void	
· Flammable gases	Void	
Aerosols	Void	
· Oxidising gases	Void	
Gases under pressure	Void	
		(0
		(Contd. on page 7



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· Flammable liquids	Void	
· Flammable solids	Void	
· Self-reactive substances and mixtures	Void	
· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit		
flammable gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products:

No dangerous decomposition products known

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Based on available data, the classification criteria are not met.
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation
- Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met. (Contd. on page 8)

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· STOT-repeated exposure

- Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met. • Additional toxicological information:
- This statement was deduced from the properties of the single components.
- · 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- · 12.7 Other adverse effects

• Ecotoxical effects: No further relevant information available.

· Additional ecological information:

· General notes:

Not water-endangering (nwg).

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

At present there are no ecotoxicological assessments.

This statement was deduced from the properties of the single components.

The product does not contain organically bounded halogens (AOX-free).

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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Must be specially treated under adherence to official regulations. Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

· European waste catalogue

•	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 05 00	gases in pressure containers and discarded chemicals
16 05 08*	discarded organic chemicals consisting of or containing hazardous substances

· Uncleaned packagings:

· Recommendation:

Non contaminated packagings can be used for recycling.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

· Recommended cleaning agent: Water, if necessary with cleaning agent.

14.1 UN number or ID number	Void
· ADR/RID, IMDG, IATA	Void
 14.2 UN proper shipping name ADR/RID, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user Not applicable.	
 14.7 Maritime transport in bulk according to IMO instruments 	Not applicable.
· UN "Model Regulation":	Void

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SECTION 15: Regulatory information	
 15.1 Safety, health and environmental regulations/legis substance or mixture Labelling according to Regulation (EC) No 1272/2008 \ Hazard pictograms Void Signal word Void 	·
· Hazard statements Void	
• Precautionary statements P280 Wear protective gloves/protective clothin protection/hearing protection.	ing/eye protection/face
P302+P352 IF ON SKIN: Wash with plenty of water P305+P351+P338 IF IN EYES: Rinse cautiously with wate contact lenses, if present and easy to d	r for several minutes. Remove
P332+P313 If skin irritation occurs: Get medical adv	vice/attention.
 Directive 2012/18/EU Named dangerous substances - ANNEX I None of the ir 	ngredients is listed.
 DIRECTIVE 2011/65/EU on the restriction of the use of substances in electrical and electronic equipment – Ar 	
None of the ingredients is listed.	
· REGULATION (EU) 2019/1148	
 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (I purpose of licensing under Article 5(3)) 	Jpper limit value for the
None of the ingredients is listed.	
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS	
100-97-0 methenamine	
Regulation (EC) No 273/2004 on drug precursors	
None of the ingredients is listed.	
 Regulation (EC) No 111/2005 laying down rules for the between the Community and third countries in drug presented on the community and third countries in drug presented on the countries of the coun	
None of the ingredients is listed.	
· National regulations	
 Decree to be applied in case of technical fault: 	
Class Share in %	
I 0.2	
· Water hazard class: Not water-endangering (nwg).	
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· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· Relevant phrases

H228 Flammable solid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

 Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European

Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINCS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Flam. Sol. 2: Flammable solids - Category 2 Acute Tox. 4: Acute toxicity - Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Skin Sens. 1: Skin sensitisation – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Sources Internal physical tests, MSDS of the ingredients, Information system on hazardous substances of the German Social Accident Insurance (GESTIS-database on hazardous substances), http://www.dguv.de/ifa/en/gestis/stoffdb/

index.jsp

applicable EEC directives:

- 1907/2006

- 1272/2008