

according to regulation (EC) No. 1907/2006 (REACH) with its amendment regulation (EU) 2015/830
Date of issue: 2/1/2018

Section 1: Identification of the substance / mixture and of the company / undertaking

1.1. Product identifier

Product form: Mixture

Product name: Rubber cleaner Product code: 117.0149

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec: For professional use only Use of the substance/mixture: Cleaning rubber and gloves

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

KS TOOLS Werkzeuge-Maschinen GmbH

Seligenstädter Grund 10 - 12

63150 Heusenstamm

Tel.: 06104 4974-0

Fax: 06104 4974-11

Mail: info@kstools.de

1.4. Emergency telephone number

Emergency number:

EMERGENCY CONTACT - UK, UAE,

South Africa (24h): Tel: ++44 1865407333 (English) TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

GIFTNOTRUF/TRANSPORTNOTRUF -

Deutschland, Österreich, Schweiz, Luxemburg (24h)

Tel: +49 89 220 61012 / 0800 000 7801 (Deutsch, Englisch)
Numéro d'appel d'urgence en cas d'intoxication/d'accident Suisse, Luxembourg (24h): Tel: ++33 1 7211 0003 (Français)

Emergency number: 112



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2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 2 H319

Full text of H statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra

Hazard pictograms (CLP):



Signal word (CLP):

Warning

Hazard statements (CLP):

H319 - Causes serious eye irritation.

Precautionary statements (CLP):

P280 - Wear face protection, eye protection, protective clothing, protective gloves. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements:

EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one(2634-33-5). May produce an allergic reaction.

2.3. Other hazards

No additional information available

Section 3: Composition / information on ingredients

3.1. Substances

Not applicable

TOOLS 3.2. Mixtures

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,2-dimethyl-1,3-dioxolan-4- ylmethanol	(CAS-No.) 100-79-8 (EC-No.) 202-888-7 (REACH-no) 01-2120066005-66	25 - 50	Eye Irrit. 2, H319
Alcool C10 éthoxylé	(CAS-No.) 26183-52-8 (EC-No.) 500-046-6 (REACH-no) 02-2119613039-45	1 - 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride	(CAS-No.) 1554325-20-0	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
Alcool C10 éthoxylé	(CAS-No.) 26183-52-8 (EC-No.) 500-046-6 (REACH-no) 02-2119613039-45	1 - 5	Eye Irrit. 2, H319
sodium carbonate	(CAS-No.) 497-19-8 (EC-No.) 207-838-8 (EC Index-No.) 011-005-00-2 (REACH-no) 01-2119485498-19	1 - 5	Eye Irrit. 2, H319
sodium hydroxide, caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	< 0.0609	Skin Corr. 1A, H314
1,2-Benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	0.00765 - 0.00945	Acute Tox. 4 (Oral), H302 Acute Tox. 2 (Inhalation), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
citral	(CAS-No.) 5392-40-5 (EC-No.) 226-394-6 (EC Index-No.) 605-019-00-3	< 0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
Limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7	< 0.1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
potassium hydroxide, caustic potash	(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8	0.0018 - 0.0036	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314
Pin-2(10)-ène	(CAS-No.) 127-91-3 (EC-No.) 204-872-5	0 - 0.002	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Name sodium hydroxide, caustic soda 1,2-Benzisothiazol-3(2H)-one

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Name	Product identifier	Specific concentration limits
sodium hydroxide, caustic soda	(CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27	(0.5 = <c 2)="" 2,="" <="" eye="" h319<br="" irrit.="">(0.5 =<c 2)="" 2,="" <="" h315<br="" irrit.="" skin="">(2 =<c 1b,="" 5)="" <="" corr.="" h314<br="" skin="">(C >= 5) Skin Corr. 1A, H314</c></c></c>
1,2-Benzisothiazol-3(2H)-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	(C >= 0.05) Skin Sens. 1, H317
potassium hydroxide, caustic potash	(CAS-No.) 1310-58-3 (EC-No.) 215-181-3 (EC Index-No.) 019-002-00-8	(0.5 = <c 2)="" 2,="" <="" eye="" h319<br="" irrit.="">(0.5 =<c 2)="" 2,="" <="" h315<br="" irrit.="" skin="">(2 =<c 1b,="" 5)="" <="" corr.="" h314<br="" skin="">(C >= 5) Skin Corr. 1A, H314</c></c></c>

Full text of H-statements: see section 16

Section 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation:

Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact:

Wash skin with plenty of water.

First-aid measures after eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion:

Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms / effects after eye contact:

Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray. Dry powder. Foam. Carbon dioxide.



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5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders:

Protective equipment:

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions:

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up:

Methods for cleaning up: Take up liquid spill into absorbent material.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections:

For further information refer to section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling:

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

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Do not eat, drink or smoke when using this product. Always wash after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:

Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

Section 8: Exposure controls / personal protection

8.1. Control parameters:

potassium hydroxide, caustic potash (1310-58-3)		
France	Local name	Potassium (hydroxyde de)
France	VLE (mg/m³)	2 mg/m³
France	Note (FR)	Valeurs recommandées/admises
France	Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Hand protection: Protective gloves. **Eye protection:** Safety glasses

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls: Avoid release to the environment.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Liquid
Colour:	light yellow
Odour:	peppermint odour
Odour threshold:	No data available
pH:	9 ± 0,70
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	No data available
Flash point:	> 91 °C
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	1.045 ± 0,05
Solubility:	No data available
Log Pow:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2. Other information

No additional information available.

Section 10: Stability and reactivity

10.1. Reactivity:

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability:

Stable under normal conditions.

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10.3. Possibility of hazardous reactions:

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid:

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials:

No additional information available

10.6. Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral):

Not classified

Acute toxicity (dermal):

Not classified

Toxic if inhaled:

Not classified

sodium carbonate (497-19-8)		
LD50 oral rat	2800 mg/kg	
LD50 dermal rabbit	> 2000 mg/kg	
LC50 inhalation rat (mg/l)	2.3 mg/l	
sodium hydroxide, caustic soda (1310-73-2)		
LD50 oral	> 500 mg/kg LD50 oral rabbit	
2,2-dimethyl-1,3-dioxolan-4-ylmethanol (100-79-8)		
LD50 oral rat	7000 mg/kg	
LD50 dermal rat	2000 mg/kg	
LC50 inhalation rat (mg/l)	> 5.11 mg/l	



Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride (1554325-20-0)		
LD50 oral rat	> 300 - 2000 mg/kg	
1,2-Benzisothiazol-3(2H)-one (2634-33-5)		
LD50 oral rat	> 2500 mg/kg (OECD 423 method)	
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)	
LD50 dermal rabbit	<	
LC50 inhalation rat (Dust/Mist - mg/l/4h)	5.71 mg/l/4h (OECD 403 method)	
LC50 inhalation rat (Vapours - mg/l/4h)	5.71 mg/l/4h (OECD 403 method)	
potassium hydroxide, caustic potash (1310-58-3)		
LD50 oral rat	333 mg/kg	

Skin corrosion/irritation:

Not classified

 $pH: 9 \pm 0.70$

Serious eye damage/irritation:

Causes serious eye irritation.

 $pH: 9 \pm 0.70$

Respiratory or skin sensitisation:

Not classified

Germ cell mutagenicity:

Not classified

Carcinogenicity:

Not classified

Reproductive toxicity:

Not classified

2,2-dimethyl-1,3-dioxolan-4-ylmethanol (100-79-8)	
NOAEL (animal/male, F0/P)	1000 mg/kg
NOAEL (animal/female, F0/P)	1000 mg/kg

STOT-single exposure:

Not classified

STOT-repeated exposure:

Not classified

Aspiration hazard:

Not classified

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the

Acute aquatic toxicity:

Not classified

Chronic aquatic toxicity:

Not classified

andium corbonate (407.40.9)		
sodium carbonate (497-19-8)		
LC50 fish 1	300 mg/l	
EC50 Daphnia 1	200 - 227 mg/l	
sodium hydroxide, caustic soda (1310-7	3-2)	
LC50 fish 1	35 - 189 mg/l	
EC50 Daphnia 1	40.4 mg/l	
2,2-dimethyl-1,3-dioxolan-4-ylmethanol ((100-79-8)	
LC50 fish 1	16.7 mg/l Pilephales promelas	
EC50 Daphnia 1	> 1000 mg/l	
EC50 72h algae (1)	> 92 mg/l (OECD 201 method)	
Quaternary C12-14 alkyl methyl amine et	thoxylate methyl chloride (1554325-20-0)	
LC50 fish 1	> 10 - 100 mg/l	
EC50 Daphnia 1	> 1 - 10 mg/l	
ErC50 (algae)	> 1 - 10 mg/l	
Alcool C10 éthoxylé (26183-52-8)		
EC50 Daphnia 1	7.8 mg/l daphnia	
EC50 72h algae (1)	6.3 mg/l (OECD 201 method)	
Alcool C10 éthoxylé (26183-52-8)		
EC50 Daphnia 1	15 mg/l daphnia	
EC50 72h algae (1)	19.6 mg/l (OECD 201 method)	
1,2-Benzisothiazol-3(2H)-one (2634-33-5)		
EC50 Daphnia 1	32 mg/l EC50 48h - Daphnia magna [mg/l]	
EC50 72h algae (1)	8.4 mg/l Pseudokirchneriella subcapitata - OCDE 201	
NOEC chronic algae	0.92 mg/l Pseudokirchneriella subcapitata - OCDE 201	
potassium hydroxide, caustic potash (1310-58-3)		
LC50 fish 1	80 mg/l	
EC50 Daphnia 1	40 - 240 mg/l daphnia	

12.2. Persistence and degradability

Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride (1554325-20-0)		
Persistence and degradability Readily biodegradable.		
1,2-Benzisothiazol-3(2H)-one (2634-33-5)		
Persistence and degradability	Readily biodegradable.	



12.3. Bioaccumulative potential

2,2-dimethyl-1,3-dioxolan-4-ylmethanol (100-79-8)		
Bioconcentration factor (BCF REACH)	1.3	
1,2-Benzisothiazol-3(2H)-one (2634-33-5)		
Bioconcentration factor (BCF REACH)	6.95 (OECD 117 method)	
Log Kow	0.7 Partition coefficient n-octanol/water [log Kow]	

12.4. Mobility in soil

2,2-dimethyl-1,3-dioxolan-4-ylmethanol (100-79-8)		
Log Koc	< 1.25	
1,2-Benzisothiazol-3(2H)-one (2634-33-5)		
Ecology - soil	No supplementary information available.	

12.5. Results of PBT and vPvB assessment

Component	
Quaternary C12-14 alkyl methyl amine	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
ethoxylate methyl chloride (1554325-20-0)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

Section 13: Disposal considerations

Waste treatment methods:

Dispose of contents/container in accordance with licensed collector's sorting instructions. SECTION 14:

Section 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID	
14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper sh	ipping name	·			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class(es)					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing grou	р	·			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing grou	р	•			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary is	nformation available	•			



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14.6 Special precautions for user:

Overland transport:

Not applicable

Transport by sea:

Not applicable

Air transport:

Not applicable

Inland waterway transport:

Not applicable

Rail transport:

Not applicable

14.7 Transport in bulk according to to Annex II of Marpol and the IBC Code:

Not applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference:

Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4) 12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV: Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen:

None of the components are listed

SZW-lijst van mutagene stoffen:

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding:

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid:

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling:

None of the components are listed



Classification remarks:

Emergency management guidelines for the storage of flammable liquids must be followed

15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out

Section 16: Other information

Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4		
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1		
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1		
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Asp. Tox. 1	Aspiration hazard, Category 1		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2		
Flam. Liq. 3	Flammable liquids, Category 3		
Skin Corr. 1A	Skin corrosion/irritation, Category 1A		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		
Skin Sens. 1B	Skin sensitisation, category 1B		
H226	Flammable liquid and vapour.		
H302	Harmful if swallowed.		
H304	May be fatal if swallowed and enters airways.		
H314	Causes severe skin burns and eye damage.		
H315	Causes skin irritation.		
H317	May cause an allergic skin reaction.		
H318	Causes serious eye damage		
H319	Causes serious eye irritation.		
H330	Fatal if inhaled.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
H411	Toxic to aquatic life with long lasting effects.		
EUH208	Contains . May produce an allergic reaction.		

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.