

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 24.10.2023

Version number 1

Revision: 24.10.2023

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

- **1.1 Product identifier**
- **Trade name:** GENTLEMONKEYS RIM CLEANER+
- **Article number:** GML-1026
- **UFI:** UJMG-2W2G-160Q-DGW8
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Wheel rim cleaner
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
GentleMonkeys GmbH
Münchner Str. 87a
85774 Unterföhring/München
Tel.: +49 (0)89 379 58 007
sayhello@gentlemonkeys.com
- **Further information obtainable from:** sayhello@gentlemonkeys.com
- **1.4 Emergency telephone number:**
Giftnotruf München
49 (0)89 192 40

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Acute Tox. 4 H302 Harmful if swallowed.
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**
sodium mercaptoacetate
1,2-benzisothiazol-3(2H)-one
- **Hazard statements**
H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves.

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*P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.**P302+P352 IF ON SKIN: Wash with plenty of water.**P333+P313 If skin irritation or rash occurs: Get medical advice/attention.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures**· Description:** Mixture of substances listed below with nonhazardous additions.**· Dangerous components:**

CAS: 367-51-1 EINECS: 206-696-4 Reg.nr.: 01-2119968564-24	sodium mercaptoacetate Acute Tox. 3, H301; Met. Corr.1, H290; Acute Tox. 4, H312; Skin Sens. 1, H317	2,5-10%
EC number: 931-333-8 Reg.nr.: 01-2119489410-39	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 4 % ≤ C < 10 %	≥2,5-<4%
CAS: 3811-73-2 EINECS: 223-296-5 Reg.nr.: 01-2119493385-28	pyridine-2-thiol 1-oxide, sodium salt Acute Tox. 3, H311; Acute Tox. 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 ATE: LD50 oral: 500 mg/kg LD50 dermal: 790 mg/kg LC50/4 h inhalative: 0,5 mg/l	≥0,0025-<0,025%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0,05 %	≥0-<0,05%

· Regulation (EC) No 648/2004 on detergents / Labelling for contents

amphoteric surfactants, non-ionic surfactants, phosphonates	<5%
perfumes (LIMONENE, LINALOOL, ALPHA-ISOMETHYL IONONE), preservation agents (SODIUM PYRITHIONE, BENZISOTHIAZOLINONE)	

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

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Call for a doctor immediately.
Rinse out mouth and then drink plenty of water.
- **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**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 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 disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

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- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from frost.
Protect from heat and direct sunlight.
- **Storage class:** 12
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 Propylene glycol

MAK (Germany) | als Dampf und Aerosol; vgl. Abschn. IIb und Xc

3811-73-2 pyridine-2-thiol 1-oxide, sodium salt

AGW (Germany) | Long-term value: 0,2 E mg/m³
2(II); DFG, H, Y

2634-33-5 1,2-benzisothiazol-3(2H)-one

MAK (Germany) | vgl. Abschn. IIb und Xc

· **DNELs**

367-51-1 sodium mercaptoacetate

Oral	Long term - systemic effects, general population	0,002 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	2,06 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects, worker	1,41 mg/m ³ (worker)
	Long term - systemic effects, general population	0,348 mg/m ³ (general population)

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts

Oral	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	12,5 mg/kg bw/day (worker)
	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	44 mg/m ³ (worker)

· **PNECs**

367-51-1 sodium mercaptoacetate

Aquatic compartment - freshwater	38 mg/l (freshwater)
Aquatic compartment - marine water	3,8 mg/l (marine water)
sewage treatment plant	3,2 mg/l (sewage treatment plant)

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts

<i>Aquatic compartment - freshwater</i>	<i>0,0135 mg/l (freshwater)</i>
<i>Aquatic compartment - marine water</i>	<i>0,0014 mg/l (marine water)</i>
<i>Aquatic compartment - sediment in freshwater</i>	<i>1 mg/kg sed dw (sediment fresh water)</i>
<i>Aquatic compartment - sediment in marine water</i>	<i>0,1 mg/kg sed dw (sediment marine water)</i>
<i>Terrestrial compartment - soil</i>	<i>0,8 mg/kg dw (soil)</i>
<i>sewage treatment plant</i>	<i>3.000 mg/l (sewage treatment plant)</i>

· **Additional information:** The lists valid during the making 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:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not required.

· **Hand protection** Protective gloves

· **Material of gloves**

Recommended material thickness: ≥ 0.11 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Recommended material thickness: ≥ 0.3 mm

Nitrile rubber, NBR

· **Penetration time of glove material**

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

Colourless

· **Odour:**

Characteristic

· **Odour threshold:**

No further relevant information available.

· **Melting point/freezing point:**

No further relevant information available.

· **Boiling point or initial boiling point and boiling range** *100 °C (7732-18-5 water, distilled, conductivity or of similar purity)*

· **Flammability**

Not applicable.

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· Lower and upper explosion limit	
· Lower:	Not applicable.
· Upper:	Not applicable.
· Flash point:	Not applicable.
· Auto-ignition temperature:	No further relevant information available.
· Decomposition temperature:	No further relevant information available.
· pH at 20 °C	5-5,5 (DIN 19268)
· Viscosity:	
· Kinematic viscosity	No further relevant information available.
· Kinematic viscosity	No further relevant information available.
· Dynamic:	No further relevant information available.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Does not apply to mixtures.
· Vapour pressure:	No further relevant information available.
· Density and/or relative density	
· Density at 20 °C:	1,068-1,078 g/cm ³ (DIN 51757)
· Relative density	No further relevant information available.
· Vapour density	No further relevant information available.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Molecular formula	
· Oxidising properties	Not applicable.
· Evaporation rate	No further relevant information available.
· 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 and stored 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 relevant for classification:**

367-51-1 sodium mercaptoacetate

Oral	LD50	>50-200 mg/kg (rat) (OECD 423)
	ATE	350 mg/kg () (based on test data for 46 % solution)
Dermal	LD50	>1.000 mg/kg (rat) (OECD 402)
Inhalative	LC50/4 h	>2.729 mg/l (rat) (OECD 403)
	NOEL (Two-generation Reproduction Toxicity Study)	20 mg/kg bw/d (rat) (OECD 416)
	NOEL (Subchronic Dermal Toxicity)	22,5 mg/kg bw/d (rat) (OECD 411)
	NOEL (Teratogenicity)	100 mg/kg (rat)

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acyllderivs., hydroxides, inner salts

Oral	LD50	2.430 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rat)

3811-73-2 pyridine-2-thiol 1-oxide, sodium salt

Oral	LD50	500 mg/kg (ATE)
		1.208 mg/kg (rat)
Dermal	LD50	790 mg/kg (ATE)
		1.800 mg/kg (rabbit)
Inhalative	LC50/4 h	1,08 mg/l (rat)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	1.193 mg/kg (rat)
Dermal	LD50	4.115 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.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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- **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.
- **11.2 Information on other hazards**

· Endocrine disrupting properties		
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

367-51-1 sodium mercaptoacetate

LC50/96 h	>100 mg/l (<i>Oncorhynchus mykiss</i>) (OECD 203)
EC50/48 h	38 mg/l (<i>Daphnia magna</i>) (84/449/EEC C.2)
EC50/72 h	13 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts

NOEC	0,1-1 mg/l (<i>Oncorhynchus mykiss</i>)
NOEC 21 d	0,3 mg/l (<i>Daphnia magna</i>)
LC50/96 h	>1-10 mg/l (fish)
EC50/48 h	1,9 mg/l (<i>Daphnia magna</i>)
EC50/72 h	>1-10 mg/l (<i>Scenedesmus subspicatus</i>)

3811-73-2 pyridine-2-thiol 1-oxide, sodium salt

NOEC 72 h	0,08 mg/l (<i>Selenastrum capricornutum</i>) (OECD 201)
LC50/96 h	0,00767 mg/l (zeb) (OECD 203)
EC50/48 h	0,022 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC50/72 h	0,46 mg/l (<i>Selenastrum capricornutum</i>) (OECD 201)

2634-33-5 1,2-benzisothiazol-3(2H)-one

NOEC 72 h	0,027 mg/l (<i>Skeletonema costatum</i>) (OECD 201)
EC20	3,3 mg/l (bel) (OECD 209)
	3 h
ErC50/72 h	0,11 mg/l (<i>Pseudokrichneriella subcapitata</i>) (OECD 201)
LC50/96 h	2,18 mg/l (<i>Oncorhynchus mykiss</i>) (OECD 203)
EC50/48 h	2,94 mg/l (<i>Daphnia magna</i>) (OECD 202)

- **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.

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- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN number or ID number**
- **ADR, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **ADR, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **ADR, 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

SECTION 15: Regulatory information

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

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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:**· **Other regulations, limitations and prohibitive regulations**

822.115, Jugendarbeitsschutzverordnung - ArGV 5 und 822.115.2, Verordnung des WBF über gefährliche Arbeiten für Jugendliche sind zu beachten.

ArGV 1 und 822.111.52, Verordnung des WBF über gefährliche und beschwerliche Arbeiten bei Schwangerschaft und Mutterschaft sind zu beachten.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

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.

H412 Harmful to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:** Department R&D

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· **Contact:** Department R&D

· **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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

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. 3: Acute toxicity – Category 3

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **Sources**

(EC) No 1907/2006 (REACH) as amended.

(EC) No. 1272/2008 (CLP) in the valid version

Guidance on the compilation of safety data sheets as amended (ECHA)

Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)

Safety data sheets of the ingredients

ECHA homepage - Information on chemicals

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