



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

Printing date 08.04.2020

Version number 1.0

Revision: 08.04.2020

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

- **Product identifier**
- **Trade name:** Racoon FLUFFY - Spezialwaschmittel für Mikrofaser-Produkte
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Cleaning agent/ Cleaner
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Racoon Cleaning Products UG Haftungsbeschränkt
Kaiserstrasse 44
D - 66121 Saarbrücken
Tel. + 49 (0) 681 765 907 30
Mail info@racoon-cleaner.com
www.racoon-cleaner.com
- **Further information obtainable from:** product safety department
- **Emergency telephone number:** Gift Notruf Uni Mainz +49 6131-19240

2 Hazards identification

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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**
- **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:**
Isotridecanol, 3-5 EO
Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides
Reaktionsprodukte von 1H-Imidazol-1-ethanol, 4,5-Dihydro-, 2-(C7-C17 ungerade Zahl, C17-ungesättigtes Alkyl)-Derivaten und Natriumhydroxid und Chloressigsäure
- **Hazard statements**
H318 Causes serious eye damage.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.

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- P280 Wear eye protection / face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**

CAS: 69011-36-5	Isotridecanol, 3-5 EO	<10%
	☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315	
EC number: 931-292-6	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides	<5%
	☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ☠ Acute Tox. 4, H302; Acute Tox. 4, H312	
EC number: 931-291-0	Reaktionsprodukte von 1H-Imidazol-1-ethanol, 4,5-Dihydro-, 2-(C7-C17 ungerade Zahl, C17-ungesättigtes Alkyl)-Derivaten und Natriumhydroxid und Chloressigsäure	<5%
	Consisting of: 68650-39-5 imidazolium compounds, 1-[2-(carboxymethoxy) ethyl]-1-(carboxymethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, sodium salts (100%)	
	☠ Eye Dam. 1, H318; Aquatic Chronic 3, H412	

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

non-ionic surfactants	≥5 - <15%
anionic surfactants	<5%
perfumes	

- **Additional information:**
- The warning according to legal regulation is based on the concentrate and is not required for the ready to use mixture
- For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.

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- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
- **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.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients 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.
- **DNELs**

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

Dermal	DNEL Derived No Effects Level	11 mg/kg (Worker) (long term, systemic effect)
		5.5 mg/kg (general public) (long term, systemic effect)
Inhalative	DNEL Derived No Effects Level	6.2 mg/m ³ (Worker) (long term, systemic effect)
		1.53 mg/m ³ (general public) (long term, systemic effect)

Reaktionsprodukte von 1H-Imidazol-1-ethanol, 4,5-Dihydro-, 2-(C7-C17 ungerade Zahl, C17-ungesättigtes Alkyl)-Derivaten und Natriumhydroxid und Chloressigsäure

Dermal	DNEL Derived No Effects Level	16.7 mg/kg (Worker)
		10 mg/kg (general public)
Inhalative	DNEL Derived No Effects Level	11.5 mg/m ³ (Worker)
		3.48 mg/m ³ (general public)

- **Additional information:** The lists valid during the making were used as basis.

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- **Exposure controls**
- **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.
 - Avoid contact with the eyes.
 - Avoid contact with the eyes and skin.
- *Respiratory protection:* Not required.
- *Protection of hands:*



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

- *Material of gloves*

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.
- *Penetration time of glove material*

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- *Eye protection:*



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- *Appearance:*

<i>Form:</i>	Fluid
<i>Colour:</i>	Yellowish
<i>Odour:</i>	Characteristic
<i>Odour threshold:</i>	Not determined.

- **pH-value at 20 °C:** 7

- **Change in condition**

<i>Melting point/freezing point:</i>	Undetermined.
<i>Initial boiling point and boiling range:</i>	100 °C

- **Flash point:** Not applicable.
- **Flammability (solid, gas):** Not applicable.
- *Decomposition temperature:* Not determined.
- **Auto-ignition temperature:** Product is not selfigniting.
- **Explosive properties:** Product does not present an explosion hazard.

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- **Explosion limits:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapour pressure:** Not determined.
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapour density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
 - Dynamic: Not determined.
 - Kinematic: Not determined.
- **Solvent content:**
 - VOC (EC) 0.00 %
 - Solids content: <5.0 %
- **Other information** No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
 - ATE (Acute Toxicity Estimates)**
 - Oral LD50 >4,570 mg/kg
 - Dermal LD50 >100,000 mg/kg (rat)
 - Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides**
 - Oral LD50 1,064 mg/kg (rat)
 - Dermal LD50 2,000 mg/kg (rat)
 - Reaktionsprodukte von 1H-Imidazol-1-ethanol, 4,5-Dihydro-, 2-(C7-C17 ungerade Zahl, C17-ungesättigtes Alkyl)-Derivaten und Natriumhydroxid und Chloressigsäure**
 - Oral LD50 5,000 mg/kg (rat)
 - Dermal LD50 2,612 mg/kg (rat)
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

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- *CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)*
- *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.

12 Ecological information

· Toxicity

· **Aquatic toxicity:**

69011-36-5 Isotridecanol, 3-5 EO

LC50 (96h) mg/ltr. 1-10 mg/ltr (Fish) (OECD 203)

EC50 (48h) 1-10 mg/l (Daphnia magna) (OECD 202)

EC50 (72h) 1-10 mg/l (Scenedesmus quadricauda) (OECD 201)

Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides

LC50 (96h) mg/ltr. 2.67 mg/ltr (rainbow trout)

EC50 (48h) 3.1 mg/l (Freshwater Invertebrates)

EC50 (72h) 0.143 mg/l (Freshwater Algae)

NOEC 0.7 mg/ml (Freshwater Invertebrates)

0.42 mg/ml (rainbow trout)

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LC50 (96h) mg/ltr. 4 mg/ltr (rainbow trout)

EC50 (48h) 25.4-64.8 mg/l (Freshwater Invertebrates)

EC50 (72h) 13 mg/l (Freshwater Algae)

NOEC 3.7 mg/ml /21d (Freshwater Invertebrates)

0.61 mg/ml /33d (rainbow trout)

- **Persistence and degradability** No further relevant information available.

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

Danger to drinking water if even extremely small quantities leak into the ground.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

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

- **European waste catalogue**

HP4 Irritant - skin irritation and eye damage

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** not regulated
- **UN proper shipping name**
- **ADR, IMDG, IATA** not regulated
- **Transport hazard class(es)**
- **ADR, ADN, IMDG, IATA**
- **Class** not regulated
- **Packing group**
- **ADR, IMDG, IATA** not regulated
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **UN "Model Regulation":** not regulated

15 Regulatory information

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

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.

- **Relevant phrases**
 - H302 Harmful if swallowed.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H400 Very toxic to aquatic life.
 - H411 Toxic to aquatic life with long lasting effects.
 - H412 Harmful to aquatic life with long lasting effects.
- **Department issuing SDS:** Quality Management department
- **Contact:** MSDS authorized Person
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport 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)
 - VOC: Volatile Organic Compounds (USA, EU)

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DNEL: Derived No-Effect Level (REACH)

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 - oral – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute 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

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