

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 07.01.2020

Version number 110

Revision: 07.01.2020

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

##### - 1.1 Product identifier

- Trade name **Cleaner 08**

##### - 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** Cleaner

##### - 1.3 Details of the supplier of the safety data sheet

- **Manufacturer/Supplier:**

PERKUTE - Maschinenbau GmbH

Düsterbergstr. 10

D-48432 Rheine

Tel. ++ 49 / 59 71 / 80 81 68 - 0

Fax ++ 49 / 59 71 / 80 81 68 - 1

E-Mail: info@perkute.de

- **Informing department:** Product safety department

##### - 1.4 Emergency telephone number:

National Poisons Information Service (NPIS) - Emergency call (healthcare professionals): (+44) 844 892 0111 - 0344 892 0111

#### \* 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

- **Additional information:**

Safety data sheet available on request.

##### - 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 the substances listed below with harmless additions (aqueous solution).

##### - **Dangerous components:**

CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	sodium p-cumenesulphonate Eye Irrit. 2, H319	< 2.5%
CAS: 68439-51-0 Polymer	Alcohol C12-C14, ethoxylated, propoxylated Aquatic Chronic 2, H411	< 2.5%

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

##### - **Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

5 - 15 % polycarboxylates,

< 5 % non-ionic surfactants,

< 5 % anionic surfactants,

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perfumes

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#### SECTION 4: First aid measures

##### - 4.1 Description of first aid measures

- **General advice:** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**  
Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.
- **After eye contact**  
Rinse opened eye for 15 minutes under running water.  
Consult a doctor in case of symptoms.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; instantly call for medical help.
- **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**  
Adjust fire-fighting measures to surrounding burning  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **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:** Wear self-contained breathing apparatus.
- **Additional information**  
Endangered containers in the surrounding area should be cooled with a water-hose.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep off unprotected persons
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Contaminated material has to be disposed as waste (see 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.

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### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle container with care.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**  
Observe official regulations on storage and handling of water hazardous substances  
Store in original containers or in PE-containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class** 12 (VCI - Konzept, 2007)
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **8.1 Control parameters**
- **Components with critical 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

##### 102-71-6 Triethanolamine

Oral	DNEL (population)	13 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	6.3 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	3.1 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	5 mg/m <sup>3</sup> (Long-term - systemic and local effects)
	DNEL (population)	1.25 mg/m <sup>3</sup> (Long-term - systemic and local effects)

##### 15763-76-5 sodium p-cumenesulphonate

Oral	DNEL (population)	3.8 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	7.6 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	3.8 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	53.6 mg/m <sup>3</sup> (Long-term, systemic effects)
	DNEL (population)	13.2 mg/m <sup>3</sup> (Long-term, systemic effects)

#### - PNECs

##### 102-71-6 Triethanolamine

PNEC water	0.32 mg/l (freshwater)
	0.032 mg/l (Seawater)
PNEC	10 mg/l (sewage plant)
PNEC	0.151 mg/kg dw (soil)
PNEC sediment	1.7 mg/kg dw (freshwater)
	0.17 mg/kg dw (Seawater)

##### 15763-76-5 sodium p-cumenesulphonate

PNEC water	0.23 mg/l (freshwater)
	2.3 mg/l (intermittent releases)

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PNEC STP	100 mg/l (380)
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- **Additional information:** The lists that were valid during the compilation were used as basis.

#### - 8.2 Exposure controls

##### - Personal protective equipment

##### - General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from food, beverages and fodder.

Gases, fumes and aerosols should not be inhaled.

- **Breathing equipment:** Not necessary if room is well-ventilated.

##### - Protection of hands:

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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

##### - Material of gloves

Nitrile rubber, NBR

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.

##### - 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:** Safety glasses

- **Body protection:** Standard protective working clothes

## SECTION 9: Physical and chemical properties

### - 9.1 Information on basic physical and chemical properties

#### - General Information

##### - Appearance:

Form: Fluid

Colour: According to product specification

- Smell: Characteristic

- Odour threshold: Not determined.

- pH-value at 20 °C: ~ 9.4

- Melting point/freezing point: Not determined

- Initial boiling point and boiling range: 100 °C

- Flash point: Product is non-flammable nor potentially explosive

- Inflammability (solid, gaseous) Not applicable.

- Decomposition temperature: Not determined.

- Self-inflammability: Product is not selfigniting.

- Explosive properties: Product is not potentially explosive

##### - Critical values for explosion:

Lower: Not determined.

Upper: Not determined.

- Vapour pressure: Not determined.

- Density at 20 °C 1.04 g/cm<sup>3</sup>

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- <b>Relative density</b>	Not determined.
- <b>Vapour density</b>	Not determined.
- <b>Evaporation rate</b>	Not determined.
- <b>Solubility in / Miscibility with Water:</b>	Fully miscible
- <b>Partition coefficient: n-octanol/water:</b>	Not determined.
- <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
- <b>9.2 Other information</b>	No further relevant information available.

### 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:** strong oxidizing agents
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

#### 102-71-6 Triethanolamine

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)

#### 15763-76-5 sodium p-cumenesulphonate

Oral	LD50	> 2000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	> 5 mg/l (rat)

#### 68439-51-0 Alcohol C12-C14, ethoxylated, propoxylated

Oral	LD50	>3000 mg/kg (mouse) (OECD-Prüfrichtlinie 401)
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- **Primary irritant effect:**
- **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.
- **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.

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- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### - 12.1 Toxicity

#### - Aquatic toxicity:

##### 102-71-6 Triethanolamine

LC 50 / 96 h	11800 mg/l (Pimephales promelas)
EC 50 / 24 h	2038 mg/l (Daphnia magna)
EC 50 / 72 h	512 mg/l (Scenedesmus subspicatus)

##### 15763-76-5 sodium p-cumenesulphonate

LC 50 / 96 h	> 100 mg/l (fish)
EC 50 / 48 h	> 100 mg/l (Daphnia magna)
EC 50 / 72 h	> 100 mg/l (Desmodesmus subspicatus)
EC 50 / 3 h	> 1000 mg/l (activated sludge (method OECD 209))

##### 68439-51-0 Alcohol C12-C14, ethoxylated, propoxylated

LC 50 / 96 h	2 mg/l (Leuciscus idus) (OECD-Prüfrichtlinie 203)
EC 50 / 24 h	23473 mg/l (Pseudomonas putida)
EC 50	< 1 mg/l (Algae)

### - 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

##### 102-71-6 Triethanolamine

DOC - Elimination	96 % (OECD 301 E)
Biodegradability	91 % (bacteria) (28 d, modif. Sturm-Test)

##### 15763-76-5 sodium p-cumenesulphonate

Biodegradability	> 60 % (OECD 301 B)
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- **12.3 Bioaccumulative potential** No further relevant information available.

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

#### - Ecotoxicological effects:

- **Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):**

##### 102-71-6 Triethanolamine

EC 50	> 1000 mg/l (activated sludge (method OECD 209))
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- **Other information:** The product does not contain organic halogen (AOX)

- **Additional ecological information:**

#### - General notes:

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

Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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

### SECTION 13: Disposal considerations

#### - 13.1 Waste treatment methods

##### - Recommendation

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

##### - Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

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

- **Recommendation:** After complete emptying and cleaning, send to be reconditioned or recycled.

### SECTION 14: Transport information

- 14.1 UN-Number	
- ADR, IMDG, IATA	Void
- 14.2 UN proper shipping name	
- ADR	Void
- IMDG, IATA	Void
- 14.3 Transport hazard class(es)	
- ADR, IMDG, IATA	
- Class	Void
- 14.4 Packing group	
- ADR, IMDG, IATA	Void
- 14.5 Environmental hazards:	Not applicable.
- Marine pollutant:	No
- 14.6 Special precautions for user	Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- 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 Void

- Hazard pictograms Void

- Signal word Void

- Hazard statements Void

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

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#### SECTION 16: Other information

*These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

**- Relevant phrases**

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

**- Department issuing data specification sheet:** see item 1: Informing department

**- Abbreviations and acronyms:**

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

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 Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

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

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

**- \* Data compared to the previous version altered.**