

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 107

Revision: 05.01.2017

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

- 1.1 Product identifier

- Trade name **Cleaner 07**

- 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** Cleaning agent / Cleaner

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

PERKUTE - Maschinenbau GmbH

Düsterbergstr. 10

D-48432 Rheine

- **Informing department:** Product safety department

- 1.4 Emergency telephone number:

Poison Control Center, Mainz

Tel. 00 49 / 61 31 / 19 240

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

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

E-Mail: info@perkute.de

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

- 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 statements

H319 Causes serious eye irritation.

- Precautionary statements

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

- Dangerous components:

CAS: 77-92-9 EINECS: 201-069-1 Reg.nr.: 01-2119457026-42	citric acid Eye Irrit. 2, H319	10-25%
Polymer	fatty alcohol alcoxylate Eye Dam. 1, H318; Aquatic Acute 1, H400	< 2.5%

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 107

Revision: 05.01.2017

Trade name Cleaner 07

(Contd. of page 1)

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

- **Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

< 5 % phosphates,

< 5 % non-ionic surfactants,

further constituents: organic acids, inhibitors.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General advice:** In case of unconsciousness bring patient into stable side position for transport.

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.

- **After skin contact**

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

- **After eye contact**

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- **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**

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

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:**

See section 8.

Wear full protective suit with 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 and keep unprotected persons away.

- **6.2 Environmental precautions:**

Inform respective authorities in case product reaches water or sewage system.

Dilute with much 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).

Dispose of contaminated material as waste according to item 13.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling

(Contd. on page 3)

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

Printing date 05.01.2017

Version number 107

Revision: 05.01.2017

Trade name Cleaner 07

(Contd. of page 2)

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**
Keep containers tightly sealed.
Avoid contact with eyes or skin.
- **Information about protection against explosions and fires:** No special measures required.
- **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
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **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.

- PNECs

77-92-9 citric acid

PNEC STP	> 1000 mg/l (sewage treatment plant)
PNEC aqua	0.44 mg/l (fresh water)
	0.044 mg/l (marine water)
PNEC sediment	3.46 mg/kg dw (fresh water)
	34.6 mg/kg dw (marine water)
PNEC soil	33.1 mg/kg dw (soil)

- **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**
Keep away from food, beverages and fodder.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.
Gases, fumes and aerosols should not be inhaled.
- **Breathing equipment:** Short term filter device:
- **Protection of hands:** Protective gloves.
- **Material of gloves**
Butyl rubber, BR
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.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 107

Revision: 05.01.2017

Trade name Cleaner 07

(Contd. of page 3)

- 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 safety glasses.

- Body protection:

Standard protective clothing. Chemical resistant safety-shoes or boots. If skin contact is possible, wear impenetrable protective clothing against this solvent.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:	Fluid
Colour:	Light brown
- Smell:	Characteristic

- pH-value (10 g/l) at 20 °C: ca. 2.8

- Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: > 100 °C

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

- Self-inflammability: Product is not selfigniting.

- Danger of explosion: Product is not potentially explosive

- Density at 20 °C ~ 1.19 g/cm³

- Solubility in / Miscibility with

Water: Fully miscible

- 9.2 Other information 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

Reacts with alkali (lyes)

Reacts with strong oxidizing agents

- 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 toxicological effects

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

(Contd. on page 5)

Safety data sheet

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Printing date 05.01.2017

Version number 107

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Trade name Cleaner 07

(Contd. of page 4)

- LD/LC50 values that are relevant for classification:		
77-92-9 citric acid		
Oral	LD50	3000 mg/kg (rat) 5040 mg/kg (mouse)
fatty alcohol alcoxylate		
Oral	LD50	> 2000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Less irritating. Remove lipid skin-film.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **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.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:	
77-92-9 citric acid	
EC 50 / 72 h	120 mg/l (Daphnia magna)
LC 50 / 96 h	440-760 mg/l (Leuciscus idus)
fatty alcohol alcoxylate	
EC 50 / 48 h	0.1-1.0 mg/l (Aquatic invertebrates)
EC 50 / 72 h	0.1-1.0 mg/l (Algae)
LC 50 / 96 h	0.1-1.0 mg/l (Leuciscus idus)
NOEC	0.1-1.0 mg/l (Aquatic invertebrates) (21 d)

- 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.

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

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

- Additional ecological information:

- General notes:

Do not allow to enter drainage system, surface or ground water
Water hazard class 1 (Self-assessment): slightly hazardous for water.

- 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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

GB

(Contd. on page 6)

Safety data sheet

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(Contd. of page 5)

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

- Recommendation

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

- 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:

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

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

SECTION 14: Transport information

- 14.1 UN-Number	
- ADR, IMDG, IATA	Void
- 14.2 UN proper shipping name	
- ADR, 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:	
- Marine pollutant:	Not applicable. 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

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

(Contd. on page 7)

GB

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

Printing date 05.01.2017

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Revision: 05.01.2017

Trade name Cleaner 07

(Contd. of page 6)

- Hazard pictograms



GHS07

- Signal word Warning

- Hazard statements

H319 Causes serious eye irritation.

- Precautionary statements

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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

* 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.

- Application: Directions for use: please refer to the Technical Information Sheet

- Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

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

- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

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)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

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

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

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

- * Data compared to the previous version altered.