

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

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

#### - 1.1 Product identifier

- Trade name **Cleaner 06**

- UFI: N160-M04D-8007-4K6T

#### - 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

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

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

E-Mail: [info@perkute.de](mailto:info@perkute.de)

- Informing department: *Product safety department*

#### - 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

### 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

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.

#### - 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*

(Contd. on page 2)

EUE

## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name **Cleaner 06**

(Contd. of page 1)

<b>- Dangerous components:</b>		
CAS: 7758-16-9 EINECS: 231-835-0 Reg.nr.: 01-2119489793-19	disodium dihydrogenpyrophosphate Eye Irrit. 2, H319	25-50%
CAS: 7664-38-2 EINECS: 231-633-2 Index number: 015-011-00-6 Reg.nr.: 01-2119485924-24	phosphoric acid Met. Corr. 1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1B; H314: $C \geq 25\%$ Skin Irrit. 2; H315: $10\% \leq C < 25\%$ Eye Irrit. 2; H319: $10\% \leq C < 25\%$	$\leq 2.5\%$
CAS: 78330-20-8 Polymer	Alcohols, C9 - C11 -iso-, C10 -rich, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	$\leq 1\%$
Polymer Reg.nr.: 02-2119552440-48	fatty alcohol alkoxylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	$\leq 1\%$

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

- **Composition/Ingredients**

Constituents according to EC-Regulation 648/2004:

> 30 % phosphates

< 5 % non-ionic surfactants,

## 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** The product is not skin irritating.

- **After eye contact** Rinse opened eye for 15 minutes under running water.

- **After swallowing** 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**

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.

See section 8.

## 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:** Do not allow to enter drainage system, surface or ground water.

(Contd. on page 3)

## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 2)

**- 6.3 Methods and material for containment and cleaning up:**

Pick up mechanically and rinse the remainder with water. Avoid dust development. Place in suitable container and send to be recycled or disposed of (taking item 13 into account).

**- 6.4 Reference to other sections**

No dangerous materials are released.

See Section 7 for information on safe handling

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**

Open and handle container with care.

When preparing solutions, always stir product into water.

**- Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Organic solids: dust can form an explosive mixture with air.

**- 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:** Keep container tightly closed and dry

**- Information about storage in one common storage facility:** Not required.

**- Further information about storage conditions:** Store under dry conditions.

**- Storage class** 11 or 13 (VCI-Konzept, 1998)

**- 7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**- 8.1 Control parameters****- Additional information about design of technical systems:**

In case of dust development, suction is needed.

**- Components with critical values that require monitoring at the workplace:****7664-38-2 phosphoric acid**

IOELV (EU)	Short-term value: 2 mg/m <sup>3</sup> Long-term value: 1 mg/m <sup>3</sup>
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**- DNELs****7758-16-9 disodium dihydrogenpyrophosphate**

Inhalative	DNEL (population)	0.68 mg/m <sup>3</sup> (Long-term, systemic effects)
	DNEL (worker)	2.79 mg/m <sup>3</sup> (Long-term, systemic effects)

**7664-38-2 phosphoric acid**

Inhalative	DNEL (population)	0.73 mg/m <sup>3</sup> (Long-term - local effects)
	DNEL (worker)	2.92 mg/m <sup>3</sup> (Long-term - local effects)

**- PNECs****7758-16-9 disodium dihydrogenpyrophosphate**

PNEC aqua	0.05 mg/l (freshwater)
	0.005 mg/l (Seawater)

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

(Contd. on page 4)

## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 3)

**- 8.2 Exposure controls****- Personal protective equipment****- General protective and hygienic measures**

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

Do not inhale dust. Prevent formation of dust.

Gases, fumes and aerosols should not be inhaled.

**- Breathing equipment:** Breathing protection to be used where a build-up of dust occurs.

**- Recommended filter device for short term use:** Filter P2

**- 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**

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. 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:** Wear suitable safety goggles in case of formation of dust.

**- 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:** Solid.

**Colour:** White

**- Smell:** Characteristic

**- Odour threshold:** Not determined.

**- pH-value (10 g/l) at 20 °C:** ~ 3.9

**- Melting point/freezing point:** Not determined

**- Initial boiling point and boiling range:** Not determined

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

**- Inflammability (solid, gaseous)** Not determined.

**- Decomposition temperature:** Not determined.

**- Self-inflammability:** Product is not selfigniting.

**- Explosive properties:** Product is not potentially explosive  
Organic solids: dust can form an explosive mixture with air.

**- Critical values for explosion:**

**Lower:** Not determined.

(Contd. on page 5)

— EUE —

## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 4)

<b>Upper:</b>	Not determined.
- <b>Vapour pressure:</b>	Not applicable.
- <b>Density</b>	Not determined
- <b>Relative density</b>	Not determined.
- <b>Vapour density</b>	Not applicable.
- <b>Evaporation rate</b>	Not applicable.
- <b>Solubility in / Miscibility with Water:</b>	Soluble
- <b>Partition coefficient: n-octanol/water:</b>	Not determined.
- <b>Viscosity:</b>	
<b>dynamic:</b>	Not applicable.
<b>kinematic:</b>	Not applicable.
- <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
- <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:** 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.

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

#### 7758-16-9 disodium dihydrogenpyrophosphate

Oral	LD50	2000 - 5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat) (OECD 402. Klimisch 1)
Inhalative	LC 50	> 0.58 mg/l (rat) (OECD 403. Klimisch 1)
	LC 50 / 4 h	> 0.58 mg/l (rat) (OECD 403, Staub/Nebel)

#### 7664-38-2 phosphoric acid

Oral	LD50	2600 mg/kg (rat, female)
Dermal	LD50	2740 mg/kg (rabbit)

#### 78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated

Oral	LD50	> 2000 mg/kg (rat)
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#### fatty alcohol alkoxylate

Oral	LD50	3200 mg/kg (rat) (BASF-Test)
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(Contd. on page 6)

## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 5)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **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:

##### **7758-16-9 disodium dihydrogenpyrophosphate**

EC 50 / 48 h	> 100 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	> 100 mg/l (Desmodesmus subspicatus) (OECD 201)
LC 50 / 48 h	>100 mg/l (Daphnia magna)
LC 50 / 96 h	>100 mg/l (Oncorhynchus gorbuscha) (OECD 203)
NOEC / 96 h	100 mg/l (Oncorhynchus mykiss) (OECD 203)

##### **7664-38-2 phosphoric acid**

EC 50 / 48 h	> 100 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	> 100 mg/l (Desmodesmus subspicatus) (OECD 201)
LC 50 / 96 h	98-106 mg/l (Lepomis macrochirus)
NOEC / 72 h	100 mg/l (Desmodesmus subspicatus) (OECD 201)

##### **78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated**

EC 50 / 48 h	10-100 mg/l (Aquatic invertebrates)
EC 50 / 72 h	10-100 mg/l (Algae)
LC 50 / 48 h	10-100 mg/l (Leuciscus idus)

##### **fatty alcohol alkoxylate**

LC 50 / 96 h	1-10 mg/l (Leuciscus idus)
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### - 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.

##### **78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated**

BiAS - Elimination	> 90 % (OECD 301 E)
DOC - Elimination	> 70 % (OECD 301A)

##### **fatty alcohol alkoxylate**

BiAS - Elimination	> 90 % (OECD 301 E) (Wismuth-aktive Substanz (mod. OECD 301E))
CO2 - Entwicklung	> 60 % (OECD 301 B) (28 d, OECD 301 B, ISO 9439)

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

(Contd. on page 7)



## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 6)

- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Phosphates contribute to eutrophication of standing waters and lakes

<b>- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):</b>	
<b>78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated</b>	
EC 10 / 17 h	48 mg/l (activated sludge (method OECD 209))
<b>fatty alcohol alkoxylate</b>	
EC 10	> 1000 mg/l (activated sludge (DEV - L2))

- **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.

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.  
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.  
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

<b>- 14.1 UN-Number</b>	
- ADR/RID, IMDG, IATA	Void
<b>- 14.2 UN proper shipping name</b>	
- ADR/RID	Void
- IMDG, IATA	Void
<b>- 14.3 Transport hazard class(es)</b>	
- ADR/RID, IMDG, IATA	
- Class	Void

(Contd. on page 8)

## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 7)

- 14.4 Packing group	
- ADR/RID, IMDG, IATA	Void
- 14.5 Environmental hazards:	
- 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  
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  
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.
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.

- 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.

- REGULATION (EU) 2019/1148

- 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

- Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

(Contd. on page 9)

EUE



## Safety data sheet

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

Printing date 18.01.2022

Version number 111

Revision: 17.01.2022

Trade name Cleaner 06

(Contd. of page 8)

- **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

- **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 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 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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

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

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

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