

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 05.01.2017

Version number 105

Revision: 05.01.2017

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

- **1.1 Product identifier**
- **Trade name** Cleaner 06
- **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
- **Informing department:** Product safety department
- **1.4 Emergency telephone number:**
Poison Control Center, Mainz
Tel. 00 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

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- Dangerous components:		
CAS: 7758-16-9 EINECS: 231-835-0 Reg.nr.: 01-2119489793-19	disodium dihydrogenpyrophosphate Acute Tox. 4, H302; Eye Irrit. 2, H319	25-50%
CAS: 7664-38-2 EINECS: 231-633-2 Reg.nr.: 01-2119485924-24	phosphoric acid Met. Corr.1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302	< 2.5%
Polymer	Alkohole, C9 – C11 –iso-, C10 –reich, ethoxyliert Eye Dam. 1, H318; Acute Tox. 4, H302	< 2.5%
Polymer Reg.nr.: 02-2119552440-48	fatty alcohol alkoxylate Eye Dam. 1, H318; Skin Irrit. 2, H315	< 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:

> 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**

CO₂, 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.

- **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).

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- 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 stirr 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

- Additional information about design of technical systems:

In case of dust development, suction is needed.

- 8.1 Control parameters**- Components with critical values that require monitoring at the workplace:****7664-38-2 phosphoric acid (< 2.5%)**

WEL ()	Short-term value: 2 mg/m ³ Long-term value: 1 mg/m ³
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- DNELs**7758-16-9 disodium dihydrogenpyrophosphate**

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

7664-38-2 phosphoric acid

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

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

PNEC aqua	0.05 mg/l (fresh water) 0.005 mg/l (marine water)
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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.

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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

- Change in condition

Melting point/Melting range:

Not determined

Boiling point/Boiling range:

Not determined

- Flash point:

Product is non-flammable nor potentially explosive

- Inflammability (solid, gaseous)

Not determined.

- Ignition temperature:

Decomposition temperature:

Not determined.

- Self-inflammability:

Product is not selfigniting.

- Danger of explosion:

Product is not potentially explosive

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

- Critical values for explosion:

Lower:

Not determined.

Upper:

Not determined.

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

Alkohole, C9 – C11 –iso-, C10 –reich, ethoxyliert

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

Oral	LD50	3200 mg/kg (rat) (BASF-Test)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

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- **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:

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)

Alkohole, C9 – C11 –iso-, C10 –reich, ethoxyliert

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.

Alkohole, C9 – C11 –iso-, C10 –reich, ethoxyliert

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))
CO ₂ - Entwicklung	> 60 % (OECD 301 B) (28 d, OECD 301 B, ISO 9439)

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

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

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- Ecotoxicological effects:**- Remark:** Phosphates contribute to eutrophication of standing waters and lakes**- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):****Alkohole, C9 – C11 –iso-, C10 –reich, ethoxyliert**

EC 10 / 17 h 48 mg/l (activated sludge (method OECD 209))

fatty alcohol alkoxylate

EC 10 > 1000 mg/l (Belebtschlamm (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

- 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

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- 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.
- **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**
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
- **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

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

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