

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 23.01.2023

Version number 111.01

Revision: 23.01.2023

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

- **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

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- Dangerous components:		
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 ≥ 25 % Skin Irrit. 2; H315: 10 % ≤ C < 25 % Eye Irrit. 2; H319: 10 % ≤ C < 25 %	≤2.5%
CAS: 78330-20-8 Polymer	Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated ----- Eye Dam. 1, H318; Acute Tox. 4, H302	≤1%
Polymer Reg.nr.: 02-2119552440-48	fatty alcohol alkoxyolate ----- Eye Dam. 1, H318; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	≤1%
- Regulation (EC) No 648/2004 on detergents / Labelling for contents		
phosphates		≥30%
non-ionic surfactants		<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.

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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).
- **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

- 8.1 Control parameters

- Components with critical values that require monitoring at the workplace:

7664-38-2 phosphoric acid

IOELV (EU)	Short-term value: 2 mg/m ³
	Long-term value: 1 mg/m ³

- DNELs

7758-16-9 disodium dihydrogenpyrophosphate

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

7664-38-2 phosphoric acid

Oral	DNEL (population)	0.1 mg/kg bw/day (Long-term, systemic effects)
	Inhalative	DNEL (worker)
		10.7 mg/m ³ (Long-term, systemic effects)
		1 mg/m ³ (Long-term - local effects)
	DNEL (population)	4.57 mg/m ³ (Long-term, systemic effects)
		0.36 mg/m ³ (Long-term - local effects)

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

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

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

- 8.2 Exposure controls

- Appropriate engineering controls In case of dust development, suction is needed.

- Individual protection measures, such as 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

- Hand protection

Protective gloves (EN 374).

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/face 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**

- Colour:

White

- Smell:

Characteristic

- Odour threshold:

Not determined.

- Melting point/freezing point:

Not determined

- Boiling point or initial boiling point and boiling range

Not determined

- Flammability

Not determined.

- Lower and upper explosion limit

- Lower:

Not determined.

- Upper:

Not determined.

- Flash point:

Product is non-flammable nor potentially explosive

- Decomposition temperature:

Not determined.

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- pH at 20 °C	3.9
- pH-value:	
- Viscosity:	
- Kinematic viscosity	Not applicable.
- dynamic:	Not applicable.
- Solubility	
- Water:	Soluble
- Partition coefficient n-octanol/water (log value)	Not determined.
- Vapour pressure:	Not applicable.
- Density and/or relative density	
- Density	Not determined
- Relative density	Not determined.
- Vapour density	Not applicable.
- Particle characteristics	See item 3.
- 9.2 Other information	
- Appearance:	
- Form:	Solid.
- Important information on protection of health and environment, and on safety.	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not potentially explosive Organic solids: dust can form an explosive mixture with air.
- Evaporation rate	Not applicable.
- Information with regard to physical hazard classes	
- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

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.

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- **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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **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	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402. Klimisch 1)

7664-38-2 phosphoric acid

Oral	LD50	1,250 mg/kg (rat)
Dermal	LD50	2,740 mg/kg (rabbit)

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

Oral	LD50	1,360 mg/kg (rat)
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fatty alcohol alkoxyate

Oral	LD50	3,200 mg/kg (rat)
		>2,000-<5,000 mg/kg (rat) (vergleichbar mit OECD Richtlinie 401)

- **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.
- **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.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

* SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

7758-16-9 disodium dihydrogenpyrophosphate

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

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7664-38-2 phosphoric acid	
LC 50 / 96 h	98-106 mg/l (<i>Lepomis macrochirus</i>)
EC 50 / 48 h	>100 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC 50 / 72 h	>100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
NOEC / 72 h	100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated	
LC 50 / 48 h	10-100 mg/l (<i>Leuciscus idus</i>)
EC 50 / 48 h	10-100 mg/l (Aquatic invertebrates)
EC 50 / 72 h	10-100 mg/l (Algae)
fatty alcohol alkoxyate	
LC 50 / 96 h	1-10 mg/l (<i>Leuciscus idus</i>) (DIN 38412 Teil 15, statisch)
EC 50	>10-<100 mg/l (Algae) (read-across)
	>1-<10 mg/l (<i>Daphnia</i>) (read-across)
NOEC	0.1-1 mg/l (<i>Daphnia magna</i>)
	0.1-1 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.

78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated	
DOC - Elimination	>70 % (OECD 301A)
BIAS - Elimination	>90 % (OECD 301 E)
fatty alcohol alkoxyate	
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.

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

- 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse 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):

78330-20-8 Alcohols, C9 - C11 -iso-, C10 -rich,ethoxylated	
EC 10 / 17 h	48 mg/l (activated sludge (method OECD 209))
fatty alcohol alkoxyate	
EC 10	>1,000 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.

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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 or ID number - ADR/RID/ADN, IMDG, IATA	Void
- 14.2 UN proper shipping name - ADR/RID/ADN - IMDG, IATA	Void Void
- 14.3 Transport hazard class(es) - ADR/RID/ADN, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR/RID/ADN, IMDG, IATA	Void
- 14.5 Environmental hazards: - Marine pollutant:	No
- 14.6 Special precautions for user	Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments	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.

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- 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.

- 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**- Date of previous version:** 23.01.2023**- 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

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*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.**

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