

Safety data sheet

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Chemetall (now part of BASF Group) Safety data sheet

Date / Revised: 12.10.2020

Product: **TERGOPHOS**

Version: 1.0

(30722453/SDS_GEN_NZ/EN)

Date of print 17.10.2020

1. Substance/preparation and manufacturer/supplier identification

TERGOPHOS

Recommended use: Detergents

Not recommended use: None known

Manufacturer/supplier:

Chemetall (New Zealand) Ltd
664 Rosebank Road Avondale,
Auckland 1026
NEW ZEALAND
Telephone: 008 837 464, +64 9 820 3888
Telefax number: +64 9 820 3979
E-mail address: nzadmin@basf.com

Emergency information:

Telephone: 0800 734 607

2. Hazard identification

Classification of the substance and mixture:

Acute toxicity: Cat. 4 (oral)

Skin corrosion/irritation: Cat. 1B

Serious eye damage/eye irritation: Cat. 1

Corrosive to metals: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:
Danger

Hazard Statement:

H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
H290 May be corrosive to metals.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face protection.
P264 Wash contaminated body parts thoroughly after handling.
P234 Keep only in original packaging.
P270 Do not eat, drink or smoke when using this product.
P260 Do not breathe dust or mist.

Precautionary Statements (Response):

P303 + P361 + P353 IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390 Absorb spillage to prevent material damage.
P363 Wash contaminated clothing before reuse.
P330 Rinse mouth
P310 Immediately call a POISON CENTER or physician.
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

Precautionary Statements (Storage):

P405 Store locked up.
P406 Store in corrosive resistant container with a resistant inner liner.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

Other hazards which do not result in classification:

Classified as 'corrosive' due to pH value. (Regulation (EC) No. 1272/2008)

3. Composition/information on ingredients

Chemical nature

inorganic, organic, aqueous solution

Hazardous ingredients

2-butoxyethanol

Content (W/W): $\geq 5\%$ - $< 7\%$
CAS Number: 111-76-2

Flam. Liq.: Cat. 4
Eye Dam./Irrit.: Cat. 2A
Acute Tox.: Cat. 4 (oral)
Skin Corr./Irrit.: Cat. 2

Propylheptanoethoxilate

Content (W/W): $\geq 2.5\%$ - $< 3\%$
CAS Number: 160875-66-1

Eye Dam./Irrit.: Cat. 1

Orthophosphoric acid

Content (W/W): $\geq 30\%$ - $< 50\%$
CAS Number: 7664-38-2

Met. Corr.: Cat. 1
Acute Tox.: Cat. 4 (oral)
Eye Dam./Irrit.: Cat. 1
Skin Corr./Irrit.: Cat. 1B

4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. Immediately remove contaminated clothing. Remove affected person from danger area. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice.

On skin contact:

Flush with copious amounts of water for at least 15 minutes. Immediate medical attention required.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Immediate medical attention required. Remove contact lenses, if present.

On ingestion:

Rinse mouth immediately with water. Do not induce vomiting. Summon medical aid without delay.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

Hazards: May cause severe burns of the mouth and throat if orally ingested, as well as a danger of perforation of the oesophagus and the stomach.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:

carbon dioxide, dry powder, alcohol-resistant foam, water spray

Unsuitable extinguishing media for safety reasons:

water jet

Specific hazards:

phosphorus oxides, carbon oxides

Special protective equipment:

Appropriate breathing apparatus may be required.

Further information:

Cool closed containers in the vicinity of the source of fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Advice on product handling can be found in sections 7 and 8 of this safety data sheet.

Environmental precautions:

Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environment Agency.

Methods for cleaning up or taking up:

Ensure adequate ventilation. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal according with the waste regulations (see section 13). Clean preferably with a detergent; avoid the use of solvents.

7. Handling and Storage

Handling

Do not return residues to the storage containers. Provide good ventilation of working area (local exhaust ventilation if necessary). Avoid inhalation of vapour and spray mist. The workplace should be equipped with an emergency shower and eye-rinsing facility. Avoid contact with skin and eyes. Keep away from food, drink and animal feeding stuffs. Warn users about safety measures and precautions to prevent accidents.

Protection against fire and explosion:

The substance/product is non-combustible. The relevant fire protection measures should be noted.

Storage

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephtalate (PET), Polypropylene (PP), Carbon steel (Iron), tinned carbon steel (Tinplate)

Further information on storage conditions: The entrance to storage rooms is to be granted only to appropriately trained personnel. Keep only in the original container. Keep in a cool, well-ventilated place. Avoid direct sunlight. avoid contact with metals

8. Exposure controls and personal protection

Components with occupational exposure limits

2-butoxyethanol, 111-76-2;

TWA value 20 ppm (ACGIHTLV)

TWA value 121 mg/m³ ; 25 ppm (OEL (NZ))

Skin Designation (OEL (NZ))

Skin absorption can be significant.

Orthophosphoric acid, 7664-38-2;

TWA value 1 mg/m³ (ACGIHTLV)

STEL value 3 mg/m³ (ACGIHTLV)

TWA value 1 mg/m³ (OEL (NZ))

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. (Gas filter EN 14387 E)

Hand protection:

Chemical resistant protective gloves (EN 374)

chloroprene rubber (Neoprene)

The gloves should be replaced immediately in case of damage or signs of wear. It is recommended to use preventative skin protection (skin cream).

Further information on penetration time is available from the manufacturer of the glove.

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Chemical resistant protective clothing according to DIN EN 13034 (Type 6)

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Eye wash fountains and safety showers must be easily accessible. Avoid contact with the skin, eyes and clothing. Take off immediately all contaminated clothing. Keep away from food, drink and animal feeding stuffs. Hands and/or face should be washed before breaks and at the end of the shift.

9. Physical and Chemical Properties

| | |
|----------------------------|--|
| Form: | liquid |
| Colour: | colourless clear |
| Odour: | No data available. |
| pH value: | < 1.0 |
| Melting point: | |
| onset of boiling: | not determined > 100 °C |
| Flash point: | > 99 °C |
| Flammability (solid/gas): | hardly combustible |
| Lower explosion limit: | not determined |
| Upper explosion limit: | not applicable |
| Ignition temperature: | not determined |
| Self heating ability: | It is not a substance capable of spontaneous heating. |
| Explosion hazard: | not explosive |
| Fire promoting properties: | not fire-propagating |
| Vapour pressure: | (20 °C) not determined (50 °C) not determined |
| Density: | 1.400 g/cm ³ (20 °C) |
| Solubility in water: | soluble |
| Miscibility with water: | miscible |
| Viscosity, kinematic: | 6.0 mm ² /s (20 °C) (40 °C) not determined |
| Flow time: | < 30 s (DIN EN ISO 2431; 3 mm) |

10. Stability and Reactivity

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Conditions to avoid:
Protect from sunlight.

Substances to avoid:
bases

Corrosion to metals: Corrosive effect on metals.

Hazardous reactions:
Reacts with metals, with evolution of hydrogen.

When exposed to high temperatures hazardous decomposition products such as carbon monoxide, carbon dioxide, smoke, oxides of nitrogen may be produced., No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Of moderate toxicity after single ingestion.

Irritation

Assessment of irritating effects:
Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Respiratory/Skin sensitization

Assessment of sensitization:
Based on available Data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:
Based on available Data, the classification criteria are not met.

Carcinogenicity

Assessment of carcinogenicity:
Based on available Data, the classification criteria are not met.

Reproductive toxicity

Assessment of reproduction toxicity:
Based on available Data, the classification criteria are not met.

Developmental toxicity

Assessment of teratogenicity:
Based on available Data, the classification criteria are not met.

Specific target organ toxicity (single exposure):

Assessment of STOT single:
Based on available Data, the classification criteria are not met.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
Based on available Data, the classification criteria are not met.

Aspiration hazard

No aspiration hazard expected.

12. Ecological Information**Ecotoxicity**

Assessment of aquatic toxicity:
There are no test results available for this product. Do not allow to enter drains or waterways. Based on available Data, the classification criteria are not met.

Mobility

Assessment transport between environmental compartments:
No data available.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):
No data available concerning biodegradation and elimination.

Elimination information:

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.

Bioaccumulation potential

Bioaccumulation potential:
No data available.

13. Disposal Considerations

Observe national and local legal requirements.

Contaminated packaging:
Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC

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Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Domestic transport:

Packing group: III
ID number: UN 1805
Transport hazard class(es): 8
Proper shipping name: PHOSPHORIC ACID SOLUTION

Further information

Hazchem Code:2R

IERG Number:37

Sea transport

IMDG

Packing group: III
ID number: UN 1805
Transport hazard class(es): 8
Marine pollutant: NO
Proper shipping name: PHOSPHORIC ACID SOLUTION

Air transport

IATA/ICAO

Packing group: III
ID number: UN 1805
Transport hazard class(es): 8
Proper shipping name: PHOSPHORIC ACID SOLUTION

15. Regulatory Information

Other regulations

N - Dangerous for the environment.

COR - Corrosive.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Tracking requirements do not apply to this substance.

A certified handler is not required for the handling of this substance.

HSNO approval code HSR002609

Metal Industry Products (Corrosive) Group Standard 2017

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16. Other Information

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.