

SAFETY DATA SHEET according to Regulation
(EC) No. 1907/2006

Erosion Machine Cleaner BP 30

Revision date:
06.2010

Print date:
27.11.13

Version: 01

1. SUBSTANCE, PREPARATION AND COMPANY IDENTIFICATION

Product information

TRADE NAME : Erosion Machine Cleaner BP30
 Branch of industry : Tool manufacture
 Main use : Cleaning and care of erosion machines
 Application : Cleaner
 COMPANY : buchem: chemie + technik GmbH & Co.KG
 Albert-Einstein-Str.8, 42929 Wermelskirchen, Germany
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2. POSSIBLE HAZARDS:

Hazard designation: Xi Irritant



Special hazard information for man and the environment: R 36/38 Irritation to eyes and skin

Classification system: The classification corresponds to the current EC lists but is, however, supplemented by data from specialist literature and by company data.

3. COMPOSITION/CONSTITUENT DATA:

Chemical characterisation : Non-ionic surfactant, mineral acids, chlorine-free solvent

Constituent substances	CAS No.	EINECS-No	Symbol(s):	R-phrases	Concentration
Phosphoric acid	7664-38-2	231-633-2	C	34	20 – 24 %

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4. FIRST AID MEASURES:

General instructions	:	Immediately remove any clothing contaminated with the product. Move affected persons out of hazardous area and lay them down.
Eye contact	:	Flush the eyes immediately with copious amounts of water for at least 15 minutes. In the case of irritation or if symptoms persist, seek medical advice.
Skin contact	:	Wash off immediately with soap and water and rinse thoroughly.
Ingestion	:	Rinse out the mouth and drink plenty of water. Do not induce vomiting; seek medical attention immediately.

5. MEASURES IN THE CASE OF FIRE

Suitable extinguishing media	:	CO ₂ , powder fire extinguisher, foam
Special hazards present with the substance, its products of combustion or the gases produced.	:	In combination with metals, forms hydrogen gas
Special protective equipment to be used when fire-fighting.	:	Acid-proof clothing If necessary, wear self-contained breathing apparatus

6. MEASURES IN THE CASE OF ACCIDENTAL RELEASE

Safety measures for personal protection	:	None
Environmental protection measures	:	Prevent product from entering the ground, groundwater and surface drains or outfalls.
Cleaning/absorbing procedures	:	Remove with absorbent material for fluids (sand, diatomaceous earth, acid binder, universal binder, sawdust). Dispose of contaminated material as waste in accordance with Point 13.
Additional information	:	Place covers over manholes

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7. HANDLING AND STORAGE:

Handling:

Information for safe handling : Process only from the original container

Information for fire and explosion prevention : None

Storage:

Requirements of storage rooms and containers : Never store in metal containers

Information for mixed storage : Do not store with strong alkaline solutions or sodium hypochlorite

Additional data on storage conditions : None

Storage class

Ordinance on Health and Safety in the Workplace (BetrSichV, German) : ---

8. EXPOSURE LIMITS AND PERSONAL PROTECTIVE EQUIPMENT

Additional information for the design of technical installations : Use installations which are resistant to phosphoric acid

Constituent substances with monitoring limit values for the workplace:

None

Personal protective equipment

General : Observe the normal provisions for the handling of acids

Breathing protection : Required in the case of spraying

Hand protection : Protective gloves made of nitrile rubber

Eye protection : Tight-fitting goggles.

Skin and body protection : Wear acid-resistant protective clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES:**Physical appearance**

Colour	:	Transparent
Form	:	Liquid
Odour	:	Mild

Additional data

Boiling point/boiling range	:	100 °C
Melting point/melting range	:	n/a
Flash point	:	n/a
Ignition temperature	:	n/a
Upper explosion limit	:	n/a
Lower explosion limit	:	n/a
Vapour pressure	:	n/a
Density	at 20°C	: 1.07 g/cm ³
Solubility	:	n/a
Water solubility	at 20°C	: Unlimited
pH value	at 20°C	: 1.0 at 10 g/l dilution
Dynamic viscosity	:	37 mPas

10. STABILITY AND REACTIVITY:

Conditions which should be avoided	:	Protect from heat
Substances which should be avoided	:	Metals, sodium hypochlorite
Dangerous decomposition products	:	None

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11. TOXICOLOGICAL DATA:

Acute toxicity

Relevant LD/LC50 classification values: None

Skin irritation : Local irritant effect

Eye irritation : Local irritant effect

Sensitisation : No known sensitisation effect

 Additional toxicological information : According to the calculation process used in the latest edition of the EC General Classification Directives for Preparations, the product presents the following hazards:
Irritant

12. ECOLOGICAL DATA
Data on elimination (persistence and degradability)

Biological degradability : > 90% (OECD 19 days)

Ecotoxicity/aquatic effects : Little effect after neutralisation

 Additional information : Readily biodegradable in waste treatment plants at Ph 6.5 – 9.0
CSB value 160mg/g

General instructions :

13. DISPOSAL INFORMATION

Product : Dispose of according to waste code No.

Contaminated packaging :

Waste code : 06 01 99 wastes not otherwise specified.

Recommended cleaning agent : Water

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14. TRANSPORT DATA

- **Land transport ADR/RID (transfrontier/inland):**
 - ADR/RID-GGVS/E Class: 8
 - Packaging group: III/C1
 - Kemler No. (Hazard ID No.):
 - UN number: 1805
 - Hazard label:
 - Description of the good: Phosphoric acid, liquid

- **Sea transport IMDG/GGV Sea:**
 - IMDG / GGV Sea class: 8
 - UN number: 1805
 - Packaging group: III
 - EmS: F-D, S-U
 - Marine pollutant: Yes
 - Correct technical name: Phosphoric acid, liquid

- **Air transport ICAO-TI and IATA-DGR:**
 - ICAO / IATA Class: 8
 - UN/ID number: 1805
 - Packaging group: III
 - Correct technical name: Phosphoric acid, liquid

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15. REGULATIONS

Identification in accordance with EC Directives	:	The product is classified and designated in accordance with the EC Directives/GefstoffV (German) Hazardous Substances Ordinance.
Identification letter and hazard designation of the product	:	Xi Irritant
Hazard-determining constituent(s) for labelling	:	10 – 25 % Phosphoric acid
R-phrases	:	R 36/38 Irritation to eyes and skin
S-phrases	:	S 1/2 Store under lock and key and inaccessible to children. S 26 In the case of eye contact, flush immediately and thoroughly with water and seek medical advice. S 45 In the case of accident or feeling unwell, seek medical attention immediately (if possible show this sheet to the doctor).
National regulations Ordinance on Health and Safety in the Workplace (BetrSichV, German)	:	Non-flammable
Technical information, air:	:	Class
Proportion in %	:	Water hazard class
Water hazard class	:	WGK 1 (low hazard to waters) According to VwVwS (German), 17.05.1999 (Administrative Regulation on the Classification of Substances Hazardous to Waters)

16. ADDITIONAL DATA

The data are based on our best knowledge at the time of compilation. However, the data do not provide a guarantee of product properties and do not establish a legal contractual relationship.

Data sheet issuing authority: Rehse GbR (Partnership under the German Civil Code)

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