

Material safety data sheet according 91/155/EWG

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1. Chemical product and company identification

Trade name: **BIO-CHEM INOX-CLEAN (Stainless Steel Cleaner)**



**CB Chemie und
Biotechnologie GmbH**
Berensweg 200, D-33334 Gütersloh
Phone: +5241/9443-0

Information department: product security phone: +5241 / 9443-0
Phone-no of supplier for emergency information: +5241 / 9443-0

2. Composition/information on ingredients

Chemical characteristics:

Viscous, acidic solution. Contains surfactants and phosphoric acid

Dangerous ingredients:

Name	CAS-no.	Weight %	Labelling
Phosphoric acid	7664-38-2	< 20	C, R 34

3. Possible risks

Irritant. Irritating to eyes and skin.

4. First aid measures

General instructions : change saturated clothing
In case of inhalation : fresh air
In case of skin contact : wash off with water and soap, cream
After contact with eyes : rinse eyes thoroughly with water
After ingestion : Rinse out mouth with water and give plenty of water to drink.
Summon physician.

5. Fire-fighting measures

Suitable extinguishing media : all extinguishing media possible
Extinguishing media that must not be used :

6. Accidental release measures

Cleaning/Take-up-processes : Soak up with absorbent material. Rinse small amounts with quantities of water. If necessary neutralise with lime.

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7. Handling and storage

Handling:

Instructions for safe handling : Keep containers tightly closed.

Storage:

Requirements for storage rooms: protect against sub-zero temperatures.

Storing temperature min. : 0°C

Storing temperature max. : 50°C

8. Exposure controls / personal protection

Ingredients with limiting values to be controlled : not indicated

Personal protective outfit:

General protection and hygienic measures: : Wash hands before break and after work. Remove contaminated clothing. Pay attention to the generally hygiene in the workplace instruction.

Hand protection : wear suitable gloves

Eye protection : goggles

Body protection : n.a.

Inspiratory protection : n.a.

9. Physical and chemical properties:

Form : pasty
Colour : yellow
Odour : characteristic

Safety relevant data:

Boiling point : 98°C

Melting point : 0°C

Flash point : n.a.

Autoignition temperature : n.a.

Explosion hazard

lower explosion limit : n.a.

upper explosion limit : n.a.

Density : 1,13 g/ml (20°C)

Solubility : soluble

pH-value (at 50 g/l H₂O) : 1,5

10. Stability and reactivity

Hazardous reactions : No hazardous reactions known.

Hazardous decomposition products : If mixed with cleaners containing chlorides, chlorine will be set free.

Thermal decomposition : No hazardous decomposition products known.

11. Toxicological information

Contact with eyes, skin and mucous tissue causes irritation.

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12. Ecological information

The surfactants are biodegradable acc. to the German regulations respectively the corresponding EC-regulations. The products does not cause any disruptions of sewage plants after neutralisation. Contains no complex phosphates.

13. Disposal considerations

Advises : Dispose of in compliance with federal, state and local environmental regulations. Take liquid to a sewage plant after neutralisation.
Waste code : EWC 07 06 01

14. Transport information

Land transport (ADR/RID)
Class, number : 8, 17 c
UN no. : 1805
Hazard no. : 80
Technical name : UN 1805 phosphoric acid

Sea transport (IMDG/GGVSee)
Class : 8
Packing group : III
UN no. : 1805
EMS no. : 8-08 MFAG: 700
Technical name : UN 1805 phosphoric acid, liquid

Aircraft transport (ICAO/IATA)
Class : 8
Packing group : III
UN no. : 1805
Technical name : UN 1805 phosphoric acid, liquid

15. Regulatory information

Data for labelling acc. GefStoffV/EC-regulations
Labelling : Xi (irritant)
R-phrases : 36/38 Irritating to eyes and skin
Hazard symbols : St. Andrews cross

National regulations
Classification acc. to VbF
(German only) : n.a.
Water hazard class : 1 (self-classification acc. to VwVwS)
i.e. slightly hazardous to water

16. Other information

This information is based on our present state of knowledge. They describe our product in view of the requirements for safety. They do not assure of certain properties of the product. A legal relationship is not vested.

Duplication without changes of the original version is allowed.

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