

Material safety data sheet according to regulation (EC) No 1907/2006, annex II

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1. Chemical product and company identification

Trade name: **bio-chem INOX-CLEAN**

Use of the preparation: cleaner



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2. Possible risks

Preparation is classified as hazardous in the sense of directive 2001/60/EC
To people:
Irritant. Irritating to eyes and skin

3. Composition/information on ingredients

Chemical characteristics:
Ingredient list (acc. to 648/2004/EC)
less than 5 %: non-ionic surfactants

Dangerous ingredients:

Name	EINECS	Weight %	Labelling
Phosphoric acid	231-633-2	15-20	C, R 34
Glycol ether	203-905-0	1 – 5	Xn, R 20/21/22, 36/38

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 :

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6. Accidental release measures

Environmental precautions : do not discharge into drains undiluted.
Cleaning/Take-up-processes : Soak up with absorbent material. Rinse small amounts with quantities of water. If necessary neutralise with lime.

7. Handling and storage

Handling:
Instructions for safe handling : Keep containers tightly closed. Ensure adequate ventilation.
Storage:
Requirements for storage rooms: protect against sub-zero temperatures.
Storage class VCI : 12

8. Exposure controls / personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.
If this is insufficient to maintain the concentration under the OES, MEL or MAK-values, suitable breathing protection should be worn.

Ingredients with limiting values to be controlled :

Name	EINECS.	Type	mg/m ³
Glycol ether	203-905-0	MAK, 8h	98

Personal protective outfit:

Respiratory protection : wear respiratory protection if OES, MEL or MAK-value is exceeded (EN 141)
Hand protection : wear protective gloves (EN 374) made from chloroprene, thickness: 0,8 mm, permeation time: 120 min or nitrile, thickness 0.8 mm, permeation time 480 min.

Eye protection : wear suitable safety goggles in case of splash (EN 166)

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.

Additional information on hand protection: No tests have been performed.

Selection made for preparations according to the best available knowledge and information on ingredients.
In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

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.
Ignition temperature : n.a.
Explosion hazard : n.a.

Density : ~ 1,10 g/ml (20°C)
Solubility : soluble
pH-value (at 50 g/l H₂O) : ~ 1,5

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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

Toxicological effects : no data available
Sensitization : no data available
Further information : classification according to calculation procedure
Local effects : irritation of eyes and skin

12. Ecological information

Behaviour in sewage plants : The product does not cause any disruptions of sewage plants. The surfactants in the product are > 90 % biodegradable. According to the recipe, contains no AOX.

13. Disposal considerations

Advises : Dispose of in compliance with federal, state and local environmental regulations. Take liquid to a sewage plant (consider pH-value).
EC disposal code no. for the preparation :
: 07 06 01
Wastes from manufacture, formulation, supply and use of fats, grease, detergents, disinfectants and cosmetics
Aqueous washing liquids and mother liquors
(The waste code are recommendations based on the schedule use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.)
for contaminated packaging : 15 01 02 Plastic packaging

14. Transport information

Land transport : Dangerous goods regulations acc. to ADR/RID not applicable
Inland waterways transport : Dangerous goods regulations acc. to ADB/ADNR not applicable
Sea transport : Dangerous goods regulations acc. to IMDG/GGVSee not applicable
Aircraft transport : Dangerous goods regulations acc. to ICAO/IATA not applicable

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15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC-Directives (67/548/EEC and 2001/60/EC)

Labelling:

Hazard symbols

: Xi (irritant)

R-phrases

: 36/38 Irritating to eyes and skin

S-phrases

: 2 Keep out of the reach of children

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

National regulations

Water hazard class

: 1 (self-classification acc. to VwVwS)

(German only)

i.e. slightly hazardous to water

VOC 1999/13/EC

: 5 %

16. Other information

Wording of the R-phrases specified in chapter 2 (not the classification of the preparation)

R 20/21/22: Harmful by inhalation, in contact with skin and if swallowed

R 34: Causes burns

R 36/38: Irritating to eyes and skin

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.