

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 09/25/2003

Reviewed on 09/25/2003

1 Identification of substance

- **Product details**
- **Trade name:** Gloster Metal Cleaner
- **Application of the substance / the preparation** All-purpose cleaner
- **Manufacturer/Supplier:**
Gloster Furniture Inc.
PO Box 738
South Boston
VA 24592 USA
Tel: 00 1 434 575 1003
- **E-mail:** info@gloster.com
- **Information department:** Product safety department.
- **Emergency information:** Tel: 00 1 434 575 1003

2 Composition/Data on components

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 69011-36-5 NLP: 500-241-6	Oxoalkohol C13 ethoxyliert mit 5-9 Mol EO Xi; R 36/38	2.5-10%
CAS: 68411-30-3 EINECS: 270-115-0	Benzolsulfonsäure, C 10-13-Alkylderivate, Natriumsalze Xn; R 22	2.5-10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol Xn; R 20/21/22-36/38	2.5-10%
CAS: 102-71-6 EINECS: 203-049-8	2,2',2''-nitrilotriethanol Xn; R 22-41-48	1.0-2.5%
CAS: 64-02-8 EINECS: 200-573-9	tetrasodium ethylenediaminetetraacetate Xn; R 22	1.0-2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:**
The product does not have to be labelled due to the calculation procedure of international guidelines.
- **Classification system:**
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0 - 4)**
Health = 0
Fire = 2
Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**
Health = *0
Fire = 2
Reactivity = 0

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4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

- **Components with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol (2.5-10%)

PEL	240 mg/m ³ , 50 ml/m ³
Skin	
REL	24 mg/m ³ , 5 ml/m ³
Skin	
TLV	97 mg/m ³ , 20 ml/m ³

- **CAS No. Designation of material % Type Value Unit** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.

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· **Protection of hands:**

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**

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 protection:** Not required.

9 Physical and chemical properties

· **General Information**

Form: Fluid
Color: According to product specification
Odor: Characteristic

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100°C

· **Flash point:** 65°C (DIN 53213)

· **Ignition temperature:** 240.0°C

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C:** 23.0 hPa

· **Density at 20°C:** 1.000 g/cm³ (DIN 51757)

· **Solubility in / Miscibility with**

Water: Fully miscible.

· **pH-value at 20°C:** 10.0
Alkaline

· **Viscosity:**

Kinematic at 20°C: 21 s (DIN 53211/4)

· **Solvent content:**

Organic solvents: 7.0 %

Water: 81.0 %

VOC content: 7.0 %

· **Solids content:** 7.5 % (DIN 53216)

· **Additional information:**

VOC (EU): 7.00 %

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VOC (EU): 368.4 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- **Product:**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

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14 Transport information

- **DOT regulations:**
- **Hazard class:** -
- **Identification number:** -
- **Land transport ADR/RID (cross-border):**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

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- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulations

- **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

- **National regulations:**

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases**

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

22 Harmful if swallowed.

36/38 Irritating to eyes and skin.

41 Risk of serious damage to eyes.

48 Danger of serious damage to health by prolonged exposure.

- **Department issuing MSDS:** Product safety department.

- **Contact:** Mr. John Nelson

- *** Data compared to the previous version altered.**

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