

Material Safety Data Sheet According to 91/155 EC, 93/112/EG

Printing date 26.09.2005

Reviewed on 26.09.2005

1 Identification of substance:

· **Product details:**

· **Trade name:** **INTUMEX MG**

· **Data Sheet No.:** IN 025

· **Application of the substance / the preparation**

Intumex is applied in passive fire preventions against spread of fire, smoke and hot gases.

· **Manufacturer/Supplier:** INTUMEX GmbH
Buchnerplatz 1
A-4021 Linz
Austria

Tel.: +43 732 6912-0
Fax.: +43 732-6912-3740

· **Information in case of emergency:**

Tel.: +43 (0)732 6912-0
Tel.: 0043/732/6919-2466 (Fire brigade, company AMG)
From abroad: *43/70/6916-2466

· **Changes:**

Changes to last version of this data sheet are indicated in chapter 16.


2 Composition/Data on components:

· **Chemical characterization:** Intumex MG

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components relevant for classification:**

CAS: 111-46-6	2,2'-oxybisethanol	 Xn; R 22	0.5-2%
EINECS: 203-872-2			

· **Additional information:**

For the wording of the listed risk phrases refer to section 16.

3 Hazard identification

· **Hazard description:** not applicable

· **Information concerning to particular hazards to man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· **Water hazard class (Germany):**

Generally not hazardous for water.

· **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· **Additional information:**

Above 200°C this product expands at least to the five-fold of its original volume.

4 First aid measures

· **General information** No special measures required.

· **After inhalation** No possible way of intake.

· **After skin contact** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water.

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- **Information for doctor**
- **The following symptoms may occur:** No product-specific symptoms known.
- **Treatment** No specific antidot.
Symptomatic treatment.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:** In case of fire, the following can be released:
Carbon monoxide (CO)
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not flush into surface water or sanitary sewer system. Pick up and arrange disposal without creating dust. Do not create a powder cloud by using a brush or compressed air. Clean contaminated surface thoroughly. If the product contaminates rivers and lakes or drains inform respective authorities.
- **Measures for cleaning/collecting:** No special measures required.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Keep receptacles tightly sealed.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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8 Exposure controls and personal protection gear

· Ingredients with limit values that require monitoring at the workplace:

111-46-6 2,2'-oxybisethanol

WEL () Long-term value: 101 mg/m³, 23 ppm

· **Additional information:** The lists valid during the making were used as basis.

· Personal protective equipment

· General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not required.

· **Protection of hands:** Not required.

· **For the permanent contact gloves made of the following materials are suitable:**



Rubber gloves

· **Eye protection:** Not required.

9 Physical and chemical properties:

· General Information

· **Form:** Pasty
· **Colour:** grey (USA: red)
· **Odour:** Characteristic

· Change in condition

· **Melting point/Melting range:** undetermined
· **Boiling point/Boiling range:** undetermined

· **Flash point:** not applicable

· **Self-igniting:** Product is not selfigniting.

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

· **Density at 20°C:** 1.5 g/cm³

· Solubility in / Miscibility with

· **Water:** Not miscible or difficult to mix

· **pH-value at 20°C:** 8

· Solvent content:

· **Organic solvents:** 0.5-2.0 %

· **Solids content:** 85 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

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· **Dangerous reactions** No dangerous reactions known.

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

111-46-6 2,2'-oxybisethanol

Oral	LD50	12565 mg/kg (rat)
Dermal	LD50	11890 mg/kg (Kaninchen)

· **Primary irritant effect:**

· **on the skin:** No irritating effect known.

· **on the eye:** No irritating effect known.

· **Sensitization:** No sensitizing effect known.

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

· **Genotoxicity:**

· **Ames-test:** No data available.

12 Ecological information:

· **Information about elimination (persistence and degradability):**

No data available.

· **Ecotoxicological effects:**

· **Aquatic toxicity:** No data available.

13 Disposal considerations

· **Recommendation** Smaller quantities can be disposed of with household waste.

· **European waste catalogue:**

07 07 99 wastes not otherwise specified

· **Uncleaned packaging:**

· **Recommendation:** Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

Not classified as dangerous for transport.

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulations

- **Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Safety phrases:** 35 This material and its container must be disposed of in a safe way.
- **Special labelling of certain preparations:** Safety data sheet available for professional user on request.
- **National regulations**
- **Water hazard class (Germany):** Generally not hazardous for water.

- **WGK-No.:**
None of the ingredients is listed.

· Lists:

- **Council Directive 76/769/EEC of 27 July 1976 on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and preparations:**
None of the ingredients is listed.

- **Council Regulation (EEC) No 2455/92 of 23 July 1992 concerning the export and import of certain dangerous chemicals:**
None of the ingredients is listed.

- **Council Regulation (EC) No 1334/2000 of 22 June 2000 setting up a Community regime for the control of exports of dual-use items and technology:**
None of the ingredients is listed.

- **Council Regulation (EEC) No 3677/90 of 13 December 1990 laying down measures to be taken to discourage the diversion of certain substances to the illicit manufacture of narcotic drugs and psychotropic substances:**
None of the ingredients is listed.

- **Council Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances (part, no.; qualifying quantities):**
None of the ingredients is listed.

- **Toxic Substances Control Act (TSCA):**

All ingredients are listed.

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· **EC-list of classified materials:**

None of the ingredients is listed.

· **Austrian List of Toxic Substances:**

None of the ingredients is listed.

· **OSPAR-list of PBT-substances:**

None of the ingredients is listed.

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** 22 Harmful if swallowed.

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