



ACP

Asiatic Chemicals Pakistan

Building the Partnership, it's Asiatic Business Principle!

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2 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**
111-77-3 2-(2-methoxyethoxy)ethanol
- **Identification number(s)**
- **EINECS Number:** 203-906-6
- **EU Number:** 603-107-00-6

3 Hazards identification

- **Hazard description:**



Repr. Cat. 3
Xn Harmful

- **Information concerning particular hazards for human and environment:**
R 63 Possible risk of harm to the unborn child.

4 First aid measures

- **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, 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.

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UAE

Material Safety Data Sheet

According to 91/155 EEC

Trade name: Methyl Di Glycol

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- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** No special requirement
- **Information about fire - and explosion protection:** 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:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

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.

- **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:** Goggles recommended during refilling

9 Physical and chemical properties

- **General Information**

| | |
|----------------|------------|
| Form: | Fluid |
| Colour: | Colourless |
| Odour: | Light |

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Material Safety Data Sheet

According to 91/155 EEC

Trade name: Methyl Di Glycol

(Contd. of page 2)

- **Change in condition**
Melting point/Melting range: -85°C
Boiling point/Boiling range: 194.2°C
- **Flash point:** 87°C
- **Ignition temperature:** 215°C
- **Danger of explosion:** *Product does not present an explosion hazard.*
- **Explosion limits:**
Lower: 1.6 Vol %
Upper: 16.1 Vol %
- **Vapour pressure at 20°C:** 0.27 hPa
- **Density at 20°C:** 1.021 g/cm³
- **Solubility in / Miscibility with water:** *Fully miscible.*
- **Viscosity:**
Dynamic at 20°C: 3.9 mPas

10 Stability and reactivity

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

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**

| | | |
|--------|------|---------------------|
| Oral | LD50 | 5500 mg/kg (rat) |
| Dermal | LD50 | 6540 mg/kg (rabbit) |
- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *No irritating effect.*
- **Sensitization:** *No sensitizing effects known.*

12 Ecological information

- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Material Safety Data Sheet

According to 91/155 EEC

Trade name: Methyl Di Glycol

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazard designation of product:**
Repr. Cat. 3
Xn Harmful
- **Risk phrases:**
63 Possible risk of harm to the unborn child.
- **Safety phrases:**
2 Keep out of the reach of children.
36/37 Wear suitable protective clothing and gloves.

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.

- **Department issuing MSDS:** Product safety department.
- **Contact:** Terminal Manager