



Printing date 03.08.2006

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**1 Identification of the substance/preparation and of the company/undertaking**

- **Product details**
- **Trade name:** Benzyl alcohol
- **Manufacturer/Supplier:**  
Petrochem Middle East FZE  
PO Box 17028,  
Jebel Ali Free Zone  
Dubai, UAE  
Ph +971 4 8839222; Fax +971 4 8834133
- **Further information obtainable from:** Product safety department.

**2 Composition/information on ingredients**

- **Chemical characterization:**
- **CAS No. Description**  
100-51-6 Benzyl alcohol
- **Identification number(s)**
- **EINECS Number:** 202-859-9
- **EU Number:** 603-057-00-5

**3 Hazards identification**

- **Hazard description:**



Xn Harmful

- **Information concerning particular hazards for human and environment:**  
R 20/22 Harmful by inhalation and if swallowed.  
R 43 May cause sensitisation by skin contact.

**4 First aid measures**

- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**  
Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Call for a doctor immediately.

**5 Fire-fighting measures**

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** Mouth respiratory protective device.

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## 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** 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).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **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:** Keep container tightly sealed.

## 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:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **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

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**9 Physical and chemical properties****· General Information**

**Form:** Fluid  
**Colour:** Colourless  
**Odour:** Aromatic

**· Change in condition**

**Melting point/Melting range:** 15.4°C  
**Boiling point/Boiling range:** 205.4°C

**· Flash point:** 101°C

**· Ignition temperature:** 435°C

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

**· Explosion limits:**

**Lower:** 1.3 Vol %  
**Upper:** 13 Vol %

**· Vapour pressure at 20°C:** 0.13 hPa

**· Density at 20°C:** 1.04 g/cm<sup>3</sup>

**· Solubility in / Miscibility with water at 20°C:** 39 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 decomposition products:** No dangerous decomposition products known.

**11 Toxicological information****· Acute toxicity:****· LD/LC50 values relevant for classification:**

Oral	LD50	1230 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

**· Primary irritant effect:**

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.

**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.

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**13 Disposal considerations**

- **Product:**
- **Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

**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:**  
*Xn Harmful*
- **Risk phrases:**  
*20/22 Harmful by inhalation and if swallowed.*  
*43 May cause sensitisation by skin contact.*
- **Safety phrases:**  
*2 Keep out of the reach of children.*  
*24 Avoid contact with skin.*  
*26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*  
*37 Wear suitable 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*

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