



# MATERIAL SAFETY DATA SHEET

## SECTION 4 FIRST AID MEASURES

### First Aid Measures

Inhalation : none

Ingestion : If swallowed, do not include vomiting. Get Immediately medical attention.

Eye : flush eyes with plenty of water.

Skin : wash exposed skin with soap and water.

Note to Physicians none

## SECTION 5 FIRE FIGHTING MEASURES

### Fire Fighting Measures

Extinguishing Media : water spray, foam, dry powders, CO2

Unsuitable Extinguishing Media : water

Special Fire Fighting Procedures : recommended action : cool endangered containers with water

Unusual Fire and Explosion Hazards : not explosive limit at normal temperatures

Fire and Explosive Properties :  
(See section 9 also)

Combustion Products : none

Other Properties : none

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions : do not smoke

Environmental Precautions : keep out of sewers, drain and surface waters

Method for Cleaning Up : take up mechanically or using material for absorbing liquids and remove as prescribed

## SECTION 7 HANDLING STORAGE

Handling : Avoid dust formation.

Storage : Store at room temperature (+ 25°C)

Specific Uses : none

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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines : not required

Engineering Controls : not required

Personal Protection Equipment(s) :

Respiratory Protection : --- required X not required

Eye/Face Protection : --- required X not required

Skin Protection : --- required X not required

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : black

Odor : odorless

pH : not determined

Boiling Point/Range (°C) : not determined

Melting Point/Range (°C) : not determined

Decomposition Temperature (°C) : not determined

Flash Point : abt. + 200 °C

Flammable (Explosive) Limits : Not determined

Autoignition Temperature : Not determined

Flammability : Not determined

Explosive Properties : Not determined

Oxidizing Properties : Not determined

Vapor Pressure (+20°C) : 0,1 mbar

Vapor Density (+20°C) : 0,998g/cm<sup>3</sup>

Specific Gravity : 0,980g/cm<sup>3</sup>

Water Solubility : Unsoluble

Fat Solubility : Not determined

Partition Coefficient (n-Octanol/Water) : Not determined

Percent Volatile : Not determined

Evaporation Rate : 0,3% at 16h/70°C

Viscosity (mPa s) : 1.600

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## SECTION 10 STABILITY AND REACTIVITY

Stability :  Stable  Unstable

Conditions to Avoid : none

Materials to Avoid : none, if handled and stored as prescribed

Hazardous Decomposition Products : none, if handled and stored as prescribed

Hazardous Polymerization : May Occur  Will not Occur

Conditions to Avoid : none

## SECTION 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity :

Inhalation : Testing not conducted

Ingestion : Testing not conducted

Eye : Testing not conducted

Skin : Testing not conducted

Sensitization : Testing not conducted

Mutagenicity : Testing not conducted

Reproductive Toxicity : Testing not conducted

Carcinogenicity : Testing not conducted

Others : none

## SECTION 12 ECOLOGICAL INFORMATION

Mobility : Testing not conducted

Persistence / Degradability : Testing not conducted

Bioaccumulation : Testing not conducted

Ecotoxicity : Testing not conducted

Other Adverse Effects : none

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## SECTION 13 Disposal Consideration

Method of Disposal : Disposal must be in accordance with applicable federal, state, or local regulations.

## SECTION 14 TRANSPORT INFORMATION

UN : not determined  
 UN Shipping Name : not determined  
 UN Classification : not determined  
 UN Packing Group : not determined

Marine Pollutant :  Yes  No Chemical Name (wt %)  
 Special Precautions : none

## SECTION 15 REGULATORY INFORMATION

### EU Information :

#### Information on the Label :

Symbol & Indication : none  
 R- Phrase : none  
 P-Phrase : none  
 Dangerous Component(s) : none  
 Special Precautions under  
 67/548/EEC Article 8 and 13  
 or 1999/45EC Annex V : none

#### Specific Provisions in Relation to Protection of Man or the Environment :

76/769/EEC : none  
 (EC)2037/2000 : none  
 (EC)304/2003 : none  
 Others : none

### USA Information :

#### Information on the Label :

Signal Word : none  
 Hazard Warning : none  
 Safety Advice : none  
 Hazardous Component(s) : none  
 SARA Title, 313 : none  
 Chemical Name : None

Wt %

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California Proposition 65 :

Chemical Name : none

Wt % :

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**SECTION 16 OTHER INFORMATION**

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Other Information :

none

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Literature Reference :

none

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**Abbreviations :**

EU : European Union

OSHA PEL : (Permissible Exposure Limit) under Occupational Safety and Health Administration

ACGIH TLV : (Threshold Limit Value) under American Conference of Governmental Industrial Hygienists

EU ILV : Indicative Values for Occupational Exposure under EU Directive 91/322/EEC and 2000/39/EC

DFG MAK : (Maximale Arbeitsplatzkonzentrationen unter Deutsche Forschungsgemeinschaft)

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