

Developmental Toxicity : The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for components in this product.

4: First Aid Measures

Eye Contact : In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate

flushing by separating the eyelids with fingers. Call a physician.

Skin Contact : In case of contact, immediately wash skin with soap and copious amounts of water. Call a physician if irritation persists.

Serious Skin Contact : Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Serious Inhalation : If breathed in, move person into fresh air. If not breathing give artificial respiration. Get medical attention.

Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician.

Serious Ingestion : If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5: Fire and Explosion Data

Flammability of the Product : Not available.

Auto-Ignition Temperature : Not available.

Flash Points : Not available.

Flammable Limits : Not available.

Product of Combustion : Carbon monoxide, carbon dioxide, sulphur oxide, sodium oxide, nitrogen oxide.

Fire Hazards in Presence of Various Substances : Not available.

Explosion Hazards in Presence of Various Substances : Not available.

Fire Fighting Media and Instructions :

SMALL FIRE : Dry chemical powder.

LARGE FIRE : Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Special Remarks on Fire Hazards : Not available.

Special Remarks on Explosion Hazards : Not available.

6: Accidental Release Measures

Small Spill : Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete

material pickup is complete.

Large Spill : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on

the contaminated surface and allow to evacuate through the sanitary system.

7: Handling and Storage

Precautions : Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must

be carefully resealed and kept upright to prevent leakage.

8: Exposure Controls/Personal Protection

Engineering Controls : Use mechanical exhaust or laboratory fumehood to avoid exposure.

Personal Protection : Respiratory : Government approved respirator. Hand: Chemical resistant gloves. Eye: Safety glasses. Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Boots. Dust respirator. Gloves. Exposure Limits : Not available. 9: Physical and Chemical Properties Physical State and Appearance : Liquid Odor : Not available. Taste : Not available. Molecular Weight : Not available. Color : Not available. **PH Value :** 6.5 Boiling Point : Not available. Melting Point : Not available. Critical Temperature : Not available. Specific Gravity : Not available. Vapour Pressure : Not available. Vapor Density : Not available. Volatility : Not available. Odor Threshold:Not available. Water/Oil Dist. Coeff : Not available. **lonicity(in Water) :** Not available. Dispersion Properties : Not available. Solubility : Soluble in water. 10: Stability and Reactivity Data Stability : Stable under recommended storage conditions. Instability Temperature : Not available. Conditions of Instability : Not available. Incompatibility with various substances : Strong oxidizing agents. Corrosivity : Not available. Special Remarks on Reactivity : Not available. Special Remarks on Corrosivity : Not available. Polymerization : Not available. **11:Toxicological Information** Routes of Entry : Eye contact. Inhalation. Ingestion. Toxicity to Animals : Dimethyl sulfoxide:: Oral LD50 >11000 mg/kg (guinea pig)

Oral LD50 7920 mg/kg (mouse) Oral LD50 >14500 mg/kg (rat) Chronic Effects on Humans : Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation. Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract. Ingestion: May be harmful if swallowed. Other Toxic Effects on Humans : Carcinogenic Effects : No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. The Registry of Toxic Effects of Chemical Substances (RTECS) contains tumorigenic and/or carcinogenic and/or neoplastic data for components in this product. Mutagenic Effects : The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for components in this product. Teratogenic Effects : Not available. Developmental Toxicity : The Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive data for components in this product. Special Remarks on Toxicity to Animals : Not available. Special Remarks on Chronic Effects on Humans : Not available. Special Remarks on other Toxic Effects on Humans : Not available. 12: Ecological Information Ecotoxicity : Not available. BOD5 and COD : Not available. Product of Biodegradation : Not available. Toxicity of the Products of Biodegradation : Not available. Special Remarks on the Products of Biodegradation : Not available. **13: Disposal Considerations** Waste Disposal : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber **14: Transport Information DOT Classification :** Not a DOT controlled material. **IATA Classification :** Not an IATA controlled material. **IMDG Classification :** Not a IMDG controlled material.

Identification : Not available.

Special Provisions for Transport : Not available. **15: Other Regulatory Information** Federal and State Regulations : Not available. Other Regulations : Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. Other Classifications : SARA Section 313: Not listed. WHMIS(Canada) : Not WHMIS controlled. DSCL(EEC) : Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC. HMIS(U.S.A): Health Hazard : 1 Fire Hazard : 1 Reactivity: 1 Personal Protection : Not available. National Fire Protection Association (U.S.A) : Health: 1 Flammability: 1 Reactivity: 1 Specific hazard : Not available.

Protective Equipment : Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety

goggles.

16: Other Information

References : Not available.

Other Special Considerations :

Created : Not available. Last Updated : 07-10-2014 6:30:00 AM

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