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**SECTION V - REACTIVITY DATA**


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- Stability and reactivity** : Stable at ambient temperatures and pressures. Hazardous polymerisation does not occur.
- Conditions of reactivity** : None known or reported by the manufacturer.
- Incompatible materials** : Strong oxidizing agents and acids.
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 4.

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**SECTION VI - TOXICOLOGICAL PROPERTIES**


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**\*\*\* Routes of exposure and acute/chronic effects \*\*\***

<u>Exposure Limits</u>				
<u>Ingredients</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Cross-linked sodium polyacrylate polymer	N/Av	N/Av	N/Av	N/Av

**Routes of exposure** : Skin contact; Eye contact; Ingestion; Inhalation.

**Irritancy** : Moderate eye irritation. May cause mild skin irritation.

**Potential Acute Health Effects**

*Inhalation* : Dusts may cause irritation of the mucous membranes and respiratory tract.

*Skin* : Dust may cause irritation and reddening.

*Eyes* : Mild to moderate irritation or inflammation.

*Ingestion* : May cause irritation of mouth, throat, and stomach. May cause abdominal discomfort, nausea or diarrhea.

**Effects of Chronic Exposure** : Prolonged skin contact may cause dermatitis (rash), characterized by red, dry, itching skin.

**Carcinogenicity** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects** : Not expected to have other reproductive effects.

**Teratogenicity** : Not expected to be a teratogen.

**Mutagenicity** : Not expected to be mutagenic in humans.

**Sensitization to material** : Not expected to be a skin or respiratory sensitizer.

**Synergistic materials** : N/Av

**Medical Conditions Aggravated By Overexposure** : Pre-existing skin, eye and respiratory disorders.

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**SECTION VII - FIRST AID**


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- Inhalation** : Immediately remove person to fresh air. Consult a physician if necessary.
- Skin contact** : Immediately flush with plenty of water, while removing contaminated clothing. If irritation or symptoms develop, seek medical attention. Wash contaminated clothing before re-use.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.
- Ingestion** : Do NOT induce vomiting. If conscious, give the victim plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.

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**SECTION VIII - PREVENTIVE MEASURES**


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- Spill response/cleanup** : Individuals involved in the cleanup must wear appropriate personal protective equipment. Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Cover spilled solid with inert, absorbent material, such as sand, then place in suitable, covered container for later disposal (see below). Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. Notify the appropriate authorities as required.
- Methods of Disposal** : Handle according to recommendations listed below. Improper disposal can cause damage to the environment. Dispose of in accordance with federal, provincial and local hazardous waste laws.

**\*\*\* PROTECTIVE EQUIPMENT \*\*\***

**Ventilation and engineering measures**

: Provide appropriate exhaust ventilation at places where dust is formed.

**Respiratory protection**

: Use in a well ventilated area. If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised. Advice should be sought from respiratory protection specialists.

**Skin protection**

: Gloves impervious to the material are recommended. Advice should be sought from glove suppliers.

**Eye / face protection**

: Chemical goggles must be worn to prevent dusts from entering the eyes.

**Other protective equipment**

: An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn.

**\*\*\* STORAGE & HANDLING \*\*\*****Safe Handling procedures**

: Wear chemically resistant protective equipment during handling. Use only in well-ventilated areas. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Keep away from heat, sparks, and open flames. Keep away from acids and other incompatibles. Spilled material will create slippery surfaces. Clean up promptly. Use caution when opening cap. Keep containers tightly closed when not in use. Wash thoroughly after handling.

**Storage requirements**

: Store in a cool, dry, well ventilated area. Store away from incompatible materials. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

**Special Shipping Information**

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None	Not regulated.	Not regulated	none	
<b>TDG Additional information</b>	None.				

**SECTION IX - PREPARATION INFORMATION****Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
 CAS: Chemical Abstract Services  
 IARC: International Agency for Research on Cancer  
 MSHA: Mine Safety and Health Administration  
 N/Ap: not applicable  
 N/Av: not available  
 NTP: National Toxicology Program  
 NIOSH: National Institute of Occupational Safety and Health  
 OSHA: Occupational Safety and Health Administration  
 PEL: Permissible exposure limit  
 STEL: Short Term Exposure Limit  
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
 TLV: Threshold Limit Values  
 TWA: Time Weighted Average  
 WHMIS: Workplace Hazardous Materials Identification System

**References**

: 1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2006.  
 2. International Agency for Research on Cancer Monographs, searched 2007.  
 3. Canadian Centre for Occupational Health and Safety, CInfoWeb databases, 2007 (Chempendium and RTECs).  
 4. Material Safety Data Sheet from manufacturer.

**Preparation Date:**

: January 8, 2007

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