



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

PRODUCT NAME
 UNITED 21 SEWER SOLVENT

USE/DESCRIPTION
 Sewer Solvent Compound for Use in Municipal Sewers

REVISION DATE
 February 13, 2006

HEALTH (0 = Maximum Safety) 3

Always follow Label Directions and Cautions.

4 Extreme 3 High 2 Moderate 1 Slight 0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

REACTIVITY (0 = Maximum Safety) 0

Susceptible to Release of Energy.

- | | |
|--|--|
| 4 May detonate-vacate area if materials are exposed to fire. | 2 Violent chemical change possible-use hose stream from distance |
| 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. | 1 Unstable if heated-use precaution. |
| | 0 Normally stable. |

FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

- | | |
|-----------------------------------|------------------------------|
| 4 Extremely flammable. | 1 Must be preheated to burn. |
| 3 Ignites at normal temperature. | |
| 2 Ignites when moderately heated. | 0 Will not burn. |

PERSONAL PROTECTION



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV)	OSHA (TLV)	LD50 (Species/Route)	LC50 (Species)
Sodium hydroxide	1310-73-2	60-100	2 mg/m3 Ceiling	2 mg/m3 Ceiling	500 mg/kg (Rabbit/oral)	NE
Sodium nitrate	7631-99-4	10-30	NE	NE	2680 mg/kg (Rabbit/oral)	NE

3. HAZARDS IDENTIFICATION

Eyes: Solutions or dust can cause severe burns. May cause permanent damage and/or blindness.

Skin: Solutions or dust can cause severe irritation, burns and ulcerations with scars.

Inhalation: Dusts and fumes can cause irritation and damage of nose, throat, and lungs. May cause severe pneumonitis.

Ingestion: Corrosive; harmful and fatal.

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with lukewarm, gently flowing water for at least 60 minutes, while holding eyelids open. Neutral saline solution may be used if available. DO NOT INTERRUPT FLUSHING. Seek medical attention immediately.

Skin: Quickly and gently blot or brush away excess chemical. As quickly as possible, remove contaminated clothing, shoes, leather goods (i.e. watchbands, belts), flush contaminated area with lukewarm, gently flowing water for at least 60 minutes. DO NOT INTERRUPT FLUSHING. Seek medical attention immediately. Discard contaminated clothing, shoes, and leather goods.

Inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial. Do not allow victim to move about unnecessarily. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. Seek medical attention immediately.

Ingestion: Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: Moisture generates heat and pungent irritating fumes.

Fire and Explosion Hazards: Water contact generates large amounts of heat and noxious gases.

Extinguishing Media: Use suitable extinguishing agents for surrounding fire. If water is used, care should be taken, since it can generate heat and cause splattering if applied directly.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build up. Water activates this material and generates large amounts of heat and fumes upon contact. Avoid breathing fumes. Use dry chemical, carbon dioxide or alcohol foam to fight fires.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Restrict access to area until completion of clean-up. Wear adequate protective equipment. Ventilate area of spill. Remove combustible materials from vicinity. Contain spill or leak. Shovel or sweep up dry product for recycling or disposal. Neutralize final traces and flush with water.

Large Spills: Same procedure as above.

7. HANDLING AND STORAGE

Keep containers tightly closed when not in use. Avoid eye and skin contact. Store in a cool, dry area away from acids. Protect contents from moisture. Do not add water to the container. Use in well-ventilated areas and avoid breathing fumes generated by this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles

Skin: Chemical resistant gloves

Respiratory: Use NIOSH-approved respirator if TLV is exceeded.

Engineering Controls: Mechanical ventilation recommended when handling in enclosed/tight spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 2534F/1390C **Specific Gravity:** 75 lbs/ft³ (H₂O=1) **Vapor Pressure:** ND **Melting Point:** 605F/318C

Vapor Density: ND **Evaporation Rate:** ND **Solubility in Water:** Complete **pH:** 14 (solution)

Appearance and Odor: Red granules with aluminum chips with bland scent

10. STABILITY AND REACTIVITY

Hazardous Polymerization: NA

Hazardous Decomposition: Moisture generates heat and pungent irritating fumes.

Chemical Stability: Stable

Incompatibility: Oxidizing agents such as bleach; strong acids; water contact generates large amounts of heat

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request.

TDG: Available upon request.

UN: Available upon request.

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): None

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: Sodium nitrate C# 7631-99-4

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.