

UNITED 21



MATERIAL SAFETY DATA SHEET

320 37th Avenue, St. Charles, Illinois 60174
www.unitedlabsinc.com . www.unitedlabsinc.ca

To Reorder Call:
 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
 August 20, 2012

HMIS III HEALTH (0 = Maximum Safety) **3**

Always follow Label Directions and Cautions.

* Chronic 2 Moderate
 4 Severe 1 Slight
 3 Serious 0 Minimal

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

PHYSICAL HAZARD (0 = Maximum Safety) **2**

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. 0 Will not burn.
 2 Ignites when moderately heated.

PERSONAL PROTECTION: p & n



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	10 ppm	10 ppm	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. Causes severe burns to mucous membranes, destruction of tissue, and burns.

4. FIRST AID MEASURES

Eyes: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes, or wash with a 5% boric acid solution. Do not interrupt flushing, continue until medical attention arrives.

Skin: Immediately flood skin with water for at least 15 minutes;. While flushing skin with water quickly remove contaminated clothing, shoes, and any other item. Launder contaminated clothing before re-use. Wash skin thoroughly with vinegar and water. Seek medical attention.

Inhalation: Remove person to fresh air. If not breathing, administer artificial respiration. Obtain medical attention. Symptoms of pulmonary edema can be delayed up to 48 hours after exposure. Seek medical attention immediately.

Ingestion: Get medical attention immediately. DO NOT induce vomiting. Give large quantities of water, followed with citrus juice. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

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

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 hydrogen gas. Product contains oxidizers.

Extinguishing Media: Foam, Carbon dioxide, Dry chemical. Do not use water. Water will heat up mixture.

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. Runoff may be corrosive. Contain and isolate runoff for proper disposal.

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 are recommended.

Skin: Chemical resistant gloves are recommended.

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: ND

Specific Gravity: ND

Vapor Pressure: ND

Melting Point: ND

Vapor Density: ND

Evaporation Rate: NA

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 may produce flammable hydrogen gas.

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-GROUND TRANSPORTATION ONLY: UN 3262, CORROSIVE SOLID, BASIC, INORGANIC, N.O.S., (SODIUM HYDROXIDE), 8, PG II

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: Sodium Hydroxide CAS#1310-73-2 – RQ = 1000 pounds (454 kg)

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: None

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.

UNITED 21 SEWER SOLVENT

PREPARED BY: Sandy Kopacz