



LABORATORIES

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Version 4

# Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name** United 21 Sewer Solvent

### Other means of identification

**SDS#** UNITED 21

**UN#** UN3262

### Recommended use of the chemical

#### And restrictions on use

**Recommended use** Compounded for use in Municipal Sewers

**Uses Advised Against** For industrial and institutional use only.

### Details of the supplier of the safety data sheet

#### **Company Name**

United Laboratories, Inc.  
320 37th Avenue  
St. Charles, IL 60174  
www.unitedlabsinc.com  
www.unitedlabsinc.ca

### Emergency telephone number

**Emergency Telephone** 800-323-2594 (to reorder)  
INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Oxidizing solids	Category 3
Skin corrosion	Category 1A
Eye damage/irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

### Label elements

#### **Emergency Overview**

#### **Danger**

#### **Hazard statements**

Causes severe skin burns and eye damage. Causes serious eye damage. May intensify fire: oxidizer. May cause respiratory irritation. May cause drowsiness or dizziness.

**Prevention**

Keep away from open flames, no smoking. Take any precaution to avoid mixing with acids, reducing agents, water. Product will generate large amounts of heat when wetted. Do not breathe dust/fume/gas/mist/vapors/spray. Wash skin/hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area.

**Response**

If swallowed: Rinse mouth. Do not induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove individual to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and able to do so. Continue rinsing. Wash thoroughly after handling. Immediately call poison center or physician. Wash contaminated clothing before reuse. In case of fire: Use dry extinguishing powder, foam, carbon dioxide (CO<sub>2</sub>) to extinguish. If you feel unwell immediately call a poison center/doctor/physician.

**Storage**

Store away from clothing, combustible material. Keep container tightly closed and locked up. Store in dry place.

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)**

Not classified.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Sodium hydroxide, caustic soda	1310-73-2	30-60	*
Sodium nitrate	7631-99-4	15-35	*
Aluminum pellets	7429-90-5	1-7	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

Seek medical advice if you feel unwell, (show SDS where possible).

**Skin Contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**Eye contact**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. If available, use an eye saline solution, to flush out eyes. Get medical attention immediately, this product in the eye area needs to be removed immediately.

**Inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a doctor/physician if you feel unwell.

**Ingestion**

Fatal if swallowed. Get immediate medical attention. Rinse mouth out with water. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects see Section 11.

**Indication of any immediate medical attention and special treatment needed**

This is an alkaline product that can cause severe damage (burns) to eyes, burns to gastric / intestinal mucosa, burns to skin.

**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Dry chemical powder. Carbon dioxide. Foam. Addition of water to this compound will generate heat and hydrogen gas.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

Take any precaution to avoid mixing with acids, reducing agents, water. Product will generate large amounts of heat when wetted.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate unnecessary personnel. Wear protective equipment.

**Environmental precautions**

**Environmental precautions** For small spills: clean up spilled liquid wearing gloves, goggles face shield, and suitable body protection. Sweep-up or vacuum spilled solid. Decontaminate the area thoroughly. Neutralize spill residue with hydrated lime (calcium oxide), soda ash or sodium bicarbonate. Treat area with litmus paper to ensure neutralization. Place all spill residues in a suitable container. Thoroughly wash the area after clean-up. Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater. Should not be released into the environment.

**Methods and material for containment and cleaning up**

For small releases, clean-up spilled liquid wearing gloves, goggles, face shield, and suitable body protection. Sweep-up or vacuum spilled solid. Decontaminate the area thoroughly. Neutralize spill residue with hydrated lime (calcium oxide), soda ash or sodium bicarbonate. Test area with litmus paper to ensure neutralization. Place all spill residues in a suitable container. Thoroughly wash the area after clean-up. Prevent spill rinsate from contamination of storm drains, sewers, soil or groundwater.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on safe handling** All employees who handle this material should be trained to handle it safely. Do not breathe dust. Avoid all contact with skin and eyes. Use this product only with adequate ventilation. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids.

**Incompatible materials** May be corrosive to metals, strong acids. Metals.

**Specific end use(s)** This product is used to chemically unclog and maintain sewer lines. It will chemically saponify and solubilize grease and sludge.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines** No Exposure limits noted for ingredient(s).

**Appropriate engineering controls**

**Engineering Controls** Use only outdoors or in well-ventilated area. Do not let product enter drains.

**Individual protection measures, such as personal protective equipment**

**Body protection** Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection** If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level an approved respirator must be worn. If respirators are used, a program should be instituted to assure compliance with OSHA standard 63FR 1152, Jan. 8 1998. Respirator type: Air-purifying respirator with appropriate, government approved air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information.

**General Hygiene** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Clean contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

**Physical state** Granular Solid  
**Appearance** White granules  
**Color** White  
**Odor** Bland odor

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	14	
Specific Gravity	No information available.	
Percent volatile	No information available.	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	
Flash point	No information available.	
Boiling point and Boiling range	No information available.	
Evaporation rate	No information available.	
Flammability (solid, gas)	No information available.	
Upper flammability limit:	No information available.	
Lower flammability limit:	No information available.	
Vapor pressure	No information available.	
Vapor density	No information available.	
Water solubility	Soluble in water	
Partition coefficient	No information available.	
Auto-ignition temperature	No information available.	
Decomposition temperature	No information available.	
VOC (weight %)	None	

**10. STABILITY AND REACTIVITY**

**Reactivity**

Reacts with some metals: release of highly flammable vapors/gases (hydrogen). Reacts violently with water.

**Chemical stability**

Material is stable at normal conditions.

**Possibility of Hazardous Reactions**

Reacts violently with water.

**Conditions to Avoid**

Exposure to moisture.

**Incompatible materials**

May be corrosive to metals, strong acids. Metals.

**Hazardous Decomposition Products**

May release flammable gases.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

Chemical Name	Oral – LD <sub>50</sub> ATE CLP	Dermal – LD <sub>50</sub> ATE CLP
Sodium hydroxide CAS: 1310-73-2	4090 mg/kg body weight	1350 mg/kg Rabbit
Sodium nitrate 7631-99-4	1350 mg/kg body weight (Rat)	1267 mg/kg body weight

**Product Information**

<b>Inhalation</b>	No information available.
<b>Eye contact</b>	Strong caustic effect. Strong irritant with danger of severe eye injury. Corrosive effect. Causes serious eye irritation.
<b>Skin Contact</b>	Strong caustic effect on skin and mucous membranes.
<b>Ingestion</b>	Fatal if swallowed.

**Information on toxicological effects**

<b>Acute toxicity</b>	No information available.
<b>Skin/Eye irritation</b>	Strong caustic effect on skin and strong irritant with danger of severe eye injury. Corrosive effect.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Chronic effects</b>	No information available.
<b>Specific target organ toxicity (single exposure)</b>	May cause respiratory irritation.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No information available.

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Soil Mobility**

No information available.

**Other adverse effects**

No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

Disposal should be in accordance with applicable local, regional, and national laws and regulations. Material can be converted to a less hazardous material by weak reducing agents followed by neutralization.

Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION**

**DOT**

<b>UN/ID No.</b>	UN3262
<b>Proper shipping name</b>	Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide)
<b>Transport hazard class(es)</b>	8
<b>Packing group</b>	II

**IATA**

Not classified.

**IMDG**

Not classified.

**Environmental Class**

**Marine Pollutant**

No information available.

**15. REGULATORY INFORMATION**

This product or mixture does not contain a toxic chemical(s) in excess of the applicable de minimis concentration as specified in 40CFR §372.38(a) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory-Listed

**US Federal Regulations**

**Superfund Amendments and Reauthorization Act of 1986**

<b>Acute health hazard</b>	No
<b>Delayed hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**SARA 313 (TRI reporting)**

Sodium Hydroxide, Caustic Soda (1310-73-2) RQ, 1000 lbs.

**SARA 311/312**

No information available.

**US State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide 1310-73-2	X	X	X
Aluminum (fume or dust) 7429-90-5	X	X	X
Nitric Acid 7631-99-4	-	-	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health hazards 3	Flammability 0	Reactivity 2	Physical and Chemical Properties W Personal protection J
<b><u>HMIS</u></b>	Health hazards 3	Flammability 0	Reactivity 2	

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**Disclaimer**

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**End of Safety Data Sheet**