



LABORATORIES

Issue Date 20-Aug-2012

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Version 3

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).

Oxidizer	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. May intensify fire: oxidizer. May cause respiratory irritation. Causes serious eye damage. May cause drowsiness or dizziness.

**Appearance** White granules**Physical state** Solid**Odor** Bland scent**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. Avoid and do not breathe in dust. 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 (CO₂) 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.

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	60-100	*
Sodium nitrate	7631-99-4	10-30	*
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 label where possible).

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Inhalation

Remove individual to fresh air and keep comfortable for breathing. Contact a poison center or a doctor if individual experiences respiratory problems.

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

Causes severe skin burns and eye damage. Causes serious eye irritation. May cause permanent eye damage. May cause respiratory irritation. Corrosive to respiratory tract. May cause corrosion to skin/caustic burns. Ingestion-corrosive, harmful, and may be fatal.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

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

Protective equipment and precautions for firefighters

Firefighters must use standard protective equipment, safety goggles and chemical resistant gloves, with NIOSH self-contained breathing apparatus. Do not enter fire area without this protective equipment.

Specific Methods

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Hazardous Combustion Products

Moisture generates heat and pungent irritation fumes.

General fire hazards

Explosion risk in case of fire.

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

Isolate from fire, if possible, without unnecessary risk. Evacuate unnecessary personnel. Wear gloves, protective goggles and face-shield. For personal protection, see Section 8 of the SDS.

Environmental precautions**Environmental precautions**

Avoid release to the environment. Prevent water and soil pollution.

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

Contain released substance, pump into suitable containers. Absorb spillage to prevent material damage. Clean solid spills with a shovel. This material and its container must be disposed of in a safe way, and as per local legislation. Spill must not return in its original container.

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.

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

Use personal protective equipment as required. Keep containers tightly closed when not in use. Store in a cool, dry area away from acids. Do not handle until all safety precautions have been read and understood.

Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container closed when not in use. Store and keep in original container. Store in dry area. Store in cool area.
Incompatible materials	Oxidizing agents such as bleach; strong acids; water contact generates large amounts of heat.

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.
Individual protection measures, such as personal protective equipment

Eye/face protection Safety goggles and face shield are recommended.

Skin and body protection Wear gloves and protective clothing.

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

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	Solid
Appearance	White granules
Color	White
Odor	Bland scent

<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	Complete	
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

Moisture generates heat and may produce flammable hydrogen gas.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Inhalation	May cause respiratory irritation. Corrosive to the respiratory tract.
Eye contact	May cause serious eye irritation. Corrosion of the eye tissue. Permanent eye damage.
Skin Contact	May cause irritation or burns to the skin.
Ingestion	Burns to gastric/intestinal mucosa. May be fatal if swallowed.

Information on toxicological effects

Acute toxicity	No information available.
Skin/Eye irritation	Causes skin irritation and eye irritation/damage.
Sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No information available.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
Reproductive toxicity	Not expected to cause reproductive or developmental effects.
Aspiration hazard	No information available.
Chronic effects	No information available.
Specific target organ toxicity (single exposure)	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 other adverse environmental effects.

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

This product meets the exception found at 49 CFR 173.154, and may be eligible to be shipped as a Consumer Commodity ORM-D.

DOT

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

IATA

Not classified.

IMDG

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

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

Acute health hazard	No
Delayed hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

SARA 313 (TRI reporting)

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

SARA 311/312

No information available.

SARA 304 of EPA's list of lists

Reportable quantity (RQ) – 1000 lbs.

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

California Proposition 65

This material contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and/or reproductive toxicity.

16. OTHER INFORMATION

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

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Revision Note
 No Information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet