



Safety Data Sheet

Issue Date: 09-Feb-2016

Revision Date: 25-Aug-2023

Version 4

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name United-228 Flocculant Concentrate for Wastewater Treatment Facilities.

Other means of identification

SDS # UNITED-228

Recommended use of the chemical and restrictions on use

Recommended Use Flocculant concentrate for wastewater treatment facilities

Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Supplier Address

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

Emergency Telephone Number

Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Appearance Colorless liquid

Physical State Liquid

Odor Slight scent

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	Flush with large amounts of water for several minutes. If irritation persists, call a physician or poison control center.
Skin Contact	Wash with soap and water. If irritation develops, call a physician or poison center.
Inhalation	Remove to fresh air. No hazards which require special first-aid measures.
Ingestion	Do not induce vomiting. Contact physician if large quantity of product consumed.

Most important symptoms and effects

Symptoms

May cause eye irritation. Prolonged or repeated contact may cause temporary skin irritation. Large amounts may cause respiratory irritation to sensitive individuals. Swallowing large quantities (more than a few ounces) may cause upset stomach, diarrhea, nausea and vomiting.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products When strongly heated, as in a fire, this product may produce oxides of carbon, oxides of nitrogen and ammonia.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Small spills: Flush to sewage drain. This product may cause slippery conditions, rinse thoroughly. Large spills: Flush to sewage drain. This product may cause slippery conditions, rinse thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep this product in a properly labeled, tightly closed container. Do not allow this product to freeze, as the container may split or rupture. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

Incompatible Materials

Oxidizers such as bleach. Material reacts slowly with iron, copper and aluminum resulting in metal corrosion and product degradation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, contains no substances with occupational exposure limit values.

Appropriate engineering controls

Engineering Controls

Ventilation normally not required and local exhaust is usually adequate.

Individual protection measures, such as personal protective equipment

Eye/Face Protection

Safety glasses recommended.

Skin and Body Protection

Chemical resistant gloves recommended for prolonged exposure.

Respiratory Protection

Normally not required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Slight scent
Appearance	Colorless liquid	Odor Threshold	Not determined
Color	Colorless		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	5.5-6.5		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	None		
Evaporation Rate	1	(Water = 1)	
Flammability (Solid, Gas)	Liquid-Not applicable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.025	(Water = 1)	
Water Solubility	Miscible in water		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
VOC Content	None		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid

Incompatible Materials.

Incompatible Materials

Oxidizers such as bleach. Material reacts slowly with iron, copper and aluminum resulting in metal corrosion and product degradation.

Hazardous Decomposition Products

When strongly heated, as in a fire, this product may produce oxides of carbon, oxides of nitrogen and ammonia.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Avoid contact with eyes. May cause irritation.
Skin Contact	Avoid contact with skin. Prolonged or repeated contact may cause temporary irritation.
Inhalation	Do not inhale. Large amounts may cause respiratory irritation to sensitive individuals.
Ingestion	Do not ingest. Large quantities (more than few ounces) may cause upset stomach, diarrhea, nausea, and vomiting.

Component Information

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
-----------------	--

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
------------------------	--

Numerical measures of toxicity

Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not determined.

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined.

Other Adverse Effects

Not determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated.

IATA

Not regulated.

IMDG

Not regulated.

15. REGULATORY INFORMATION

International Inventories

TSCA

Listed

Legend:

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

US Federal Regulations

CERCLA

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311 /312 Hazard Categories

Immediate (Acute) Health Effects	No
Delayed (Chronic) Health Effects	No
Fire Hazard	No
Sudden Release of Pressure	No
Reactivity Hazard	No

US State Regulations

California Proposition 65

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

0

0

0

B

Issue Date:

09-Feb-2016

Revision Date:

25-Aug-2023

Revision Note:

Date only change

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 a 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