

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name United 308 - Earth Smart Closed Loop Treatment

Other means of identification

SDS# UNITED 308

Recommended use of the chemical

And restrictions on use

Recommended use Closed Loop Water Treatment.
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

Appearance Green Liquid

Physical State Liquid

Odor Slight Odor

Signal Word

Warning

Label elements



Environmental hazards

For additional information, refer to Section 12 of the SDS.

Hazard statements

Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause long lasting harmful effect to aquatic life.

Precautionary statement**Prevention**

Keep out of reach of children. Keep container tightly closed. Do not get in eyes, on skin or on clothing. Wash hands thoroughly after handling. Use personal protective equipment as required.

Response

If in eyes: Rinse with water for several minutes. If eye irritation persists: Get medical attention. If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention/advice. Take off all contaminated clothing and wash if before reuse.

Storage

None required.

Disposal

None required.

Hazard(s) not otherwise classified (HNOC)

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	% by Weight
Sodium Hydroxide	1310-73-2	0-5
Hydroxy Phosphonoacetic Acid	23783-26-8	5-10
Non-Hazardous Ingredient	-	85-95

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures**Skin Contact**

Wash affected areas thoroughly with soap and water for 15 minutes. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if any irritation persists.

Eye contact

Flush eyes with a large amount of water for 15 minutes. Seek medical attention immediately if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen. Call a physician if any difficulties persist.

Ingestion

If person can swallow, give 2 glasses of water to drink. Do not induce vomiting. After first aid, seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person.

Ensure medical personnel are aware of the material(s) involved and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water fog. Alcohol Foam. Dry chemical powder. Carbon dioxide.

Unsuitable extinguishing media None known.

Protective equipment and precautions for firefighters

Wear full protective clothing and NIOSH approved SCBA with a full face piece operated in a positive pressure or pressure demand.

Fire-fighting equipment/special instructions

Do not release runoff from fire control methods to sewers or waterways. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with full face piece operated in pressure-demand or positive –pressure mode.

General fire hazards

None known other than material can splatter above 100°/212°F.

Hazardous combustion products

Unknown but carbon monoxide may be released on burning.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal precautions**

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during cleanup. Ensure adequate ventilation. For personal protection, see Section 8 of the SDS.

Environmental precautions**Environmental precautions**

Follow applicable OSHA/CERCLA or any other regulations (29 CFR 1910.120) as well as any state or local regulations that may apply.

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

Large Spills: Dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways. Absorb spill with vermiculite, oil dry or similar non-reactant absorbent. Solidified product represents no environmental hazard.

Small Spills: Absorb spill with paper towel or similar absorbent; or flush to sewer or ground with large amounts of water.

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on safe handling**

Use the recommended safety controls and personal protective equipment as outlined. Fully review all data before handling of the material itself. Avoid contact with skin or eyes. Avoid breathing dust or mist. Keep from contact with clothing and other combustible materials. Observe good personal hygiene and housekeeping practices. Wash thoroughly after handling.

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

Store in tightly closed container. Store in a cool dry, well ventilated area. Do not store in direct sunlight. Do not store this material near any strong acids, bases, oxidizers, flammables or any other type of reactive material. Do not expose the material to temperature extremes. Store materials according to all local, state and federal guidelines that are established for non-regulated chemical products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Biological limit values

Chemical Name	OSHA	ACGIH
Sodium Hydroxide 1310-73-2	PEL/TWA: 2mg/m ³	TWA/STEL: 2 mg/m ³
Hydroxy Phosphonoacetic Acid 23783-26-8	None Established	None Established

NIOSH IDLH *Immediately Dangerous to Life or Health*

Appropriate engineering controls

Engineering Controls

Provide good general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec.2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. At a minimum wear safety glasses with side shields. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Skin and body protection

Wear chemical resistant gloves and aprons to prevent prolonged or repeated skin contact. Separate contaminated work clothes from street clothes. Wash before reuse. Remove this material from your shoes and clean personal prolonged or repeated skin contact.

Respiratory protection

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessel, or storage tanks), wear a SCBA. Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Hygiene protection

Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using toilet, or applying cosmetics. Consistent use of afore-mentioned personal protective equipment is essential in preventing injuries or irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Color	Green Liquid
Odor	Slight Odor

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	12+/-	
Specific Gravity	1.04+/-	
Percent volatile	90%+/-	
Viscosity	No Information available.	
Melting point/freezing point	No Information available.	

Flash point	Not applicable (does not burn)
Boiling point and Boiling range	212°F +/-
Evaporation rate	1.00
Flammability (solid, gas)	Non-flammable.
Upper flammability limit:	No information available.
Lower flammability limit:	No information available.
Vapor pressure	Same as water
Vapor density	Same as water
Water solubility	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity	No information available.
VOC	None.

10. STABILITY AND REACTIVITY

Reactivity

This product is stable and nonreactive under normal conditions of use, storage, and transport.

Chemical stability

This product is stable at room temperature in closed containers under normal storage and handling conditions.

Hazardous Polymerization

Hazardous polymerization will not occur.

Conditions to avoid

Excessive temperature, contact with any type of reactive chemicals.

Incompatibility:

Avoid contact with strong acids, strong alkalis, oxidizers or any other type of reactive material.

Hazardous Decomposition Products

There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxic gases may occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eyes, Ingestion, Inhalation and Skin.

Product Information

Inhalation	May produce irritation to respiratory system.
Eye contact	Irritation to eyes and possible burning if material are not immediately rinsed from the eye.
Skin Contact	May cause irritation to skin.
Ingestion	Harmful if swallowed. Not tested for this blend.

Chemical	Dermal LD ₅₀	Inhalation LC ₅₀	Oral LD ₅₀
Sodium Hydroxide 1310-73-2	500mg/kg 24 hr. (Rabbit) 50mg/24hr (Eye) (Rabbit)	-	500mg/kg (Rabbit)
Hydroxy Phosphonoacetic Acid 23783-26-8	Corrosive to skin and serious damage to eyes	-	2754mg/kg (Rat)

Skin irritation
Eye damage/eye irritation
Respiratory Sensitization
Carcinogenicity
STOT/single exposure
STOT/repeated exposure
Chronic effects

Causes skin irritation.
 Causes eye irritation and possible burning if not rinsed immediately.
 May product irritation to respiratory system.
 This product is not considered to be a carcinogen by IARC, OSHA, ACGIH and NTP.
 Not classified as a specific target organ toxicity – single exposure.
 Not classified as a specific target organ toxicity – repeated exposure.
 No specific studies have been conducted for this specific blend. No other information for chronic effect to humans.

12. ECOLOGICAL INFORMATION

Ecotoxicity

This product is not classified as environmentally hazardous; however, this does not exclude the possibility that large of frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

This product is not subject to rapid biodegradation.

Bioaccumulation

This product is not expected to bioaccumulate.

Soil Mobility

No information available.

Other adverse effects

No other adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Dispose should be in accordance with regional, national and local laws and regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Waste from residues/unused Products Triple rinse the empty containers with water before disposal to be reconditioned or land fill or garbage.

14. TRANSPORT INFORMATION

DOT Not Regulated.

IATA Not Regulated.

IMDG Not Regulated.

Environmental Class No
Marine Pollutant

15. REGULATORY INFORMATION

Legend:

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

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910, 1200.

SARA 302/304 Extremely Hazardous Substance / Emergency Release Notification

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA) - Hazard Categories

Immediate Hazard – yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard - No

SARA 311/312 hazard categories

Not regulated.

SARA 313 (TRI reporting)

Not listed.

CERCLA

This material, as supplied, does contain a substance regulated as a hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). Sodium Hydroxide (1310-73-2).

California Proposition 65

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

16. OTHER INFORMATION

HMIS	Health hazards 1	Flammability 0	Reactivity 0	Personal protection C
NFPA	Health hazards	Flammability	Reactivity	Personal protection
	No information available	No information available	No information available	No information available

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Revision Note	New Format

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