

SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

Section I - Product & Company Identification

Product identifier

Product name : OX TYPE LIQUID

Product form: Liquid

Other means of identification: LB505

Relevant identified uses of the substance or mixture: Liquid Acid Detergent

Details of the supplier of the safety data sheet

Manufacturer:

Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150

Phone: 816-472-5515

Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification

Acute Toxicity, Oral Category 4

Acute Toxicity, Inhalation Category 4

Serious eye damage/eye irritation Category 1

Skin corrosion/ irritation Category 1

Specific target organ toxicity – single exposure (Category 3), Respiratory tract irritation.

Acute Aquatic Hazard Category 3

Pictogram



Signal Word

Danger

Hazard Statements

Causes severe skin burns and eye damage.

Harmful if swallowed or inhaled..

May cause respiratory irritation.

Harmful to aquatic life.

Precautionary Statements – Prevention

Avoid breathing fume/mist/vapors/spray.
Do not eat, drink or smoke when using this product
Use only outdoors or in a well ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Avoid release to the environment.

Precautionary Statements – Response

IF IN EYES: 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.
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. Get medical attention if irritation occurs.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements – Storage

Store in a well ventilated place, Keep container tightly closed. Keep cool. Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS#	Weight %
Hydrochloric Acid	7647-01-0	10-20
Nonylphenol, ethoxylated	127087-87-0	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention if irritation persists.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

May cause serious eye and skin burns, pain and severe corrosive skin damage. May include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation. Coughing.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media Do not use water jet as it will spread the fire.

Specific Hazards Arising from the Chemical

Hazardous gases may be formed.

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.

Section VI – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Keep unnecessary personnel away and upwind of spill/leak.. Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Prevent discharge to the environment. Dike the spilled material, where this is possible.

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH
Hydrochloric Acid	7647-01-0	Ceiling 2 ppm	Ceiling:5 ppm 7 mg/m ³	Ceiling: 5 ppm 7 mg/m ³
Nonylphenol, ethoxylated	127087-87-0	Not determined	Not determined	Not determined

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation, (typically 10 air changes per hour). Eye wash stations and emergency shower must be available when handling this product..

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles and face shield.

Skin and Body Protection: Wear suitable chemical resistant protective gloves and clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas.

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

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State

Liquid

Color

Colorless to pale yellow.

Property

Values

pH

< 1

Melting Point/Freezing Point

No data available

Boiling Point/Boiling Range

180-212 ° F

Flash Point

No data available

Evaporation Rate

No data available

Flammability (Solid,Gas)

n/a-liquid

Upper Flammable Limits

No data available

Lower Flammable Limits

No data available

Vapor Pressure

No data available

Vapor Density

No data available

Specific Gravity

1.10

Water Solubility

Soluble in Water

Solubility in Other Solvents

No data available

Partition Coefficient

No data available

Autoignition Temperature

No data available

Decomposition Temperature

No data available

Kinematic Viscosity

No data available

Dynamic Viscosity

No data available

Explosive Properties

Not an Explosive

Oxidizing Properties

No data available

Odor

Strong pungent

Odor Threshold

No data available

Section X – Stability & Reactivity

Reactivity

Reacts violently with strong alkaline substances. May react with reducing agents.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Do not mix with other chemicals. Avoid contact with incompatible materials.

Incompatible Materials

Water, bases, oxidizing agents, reducing agents, metals, amines, alkalies, organic compounds..

Hazardous Decomposition Products

Hydrogen Chloride gas.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Avoid breathing vapors or mists.

Eye Contact: Causes severe eye damage

Skin Contact: Causes severe skin corrosion. Avoid contact with skin.

Ingestion: Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Hydrochloric Acid	7647-01-0	900 mg/kg (Rabbit)	1449 mg/kg (Mouse)	1108 ppm, 1 h (Mouse) 3124 ppm, 1 h (Rat)
Nonylphenol , ethoxylated	127087-87-0	>3310 ml/kg (Rat)	>2000 ml/kg (Rabbit)	No data available

Chemical Name	Hydrochloric Acid	Nonylphenol, ethoxylated
Skin corrosion/irritation	Causes severe skin burns and eye damage	Irritation
Serious eye damage/irritation	Causes serious eye damage.	Serious eye damage
Respiratory or skin sensitization	Not a respiratory or skin sensitizer	Not a respiratory or skin sensitizer
Mutagenicity	No data available	No positive data
Carcinogenicity	Not considered a carcinogen.	Not considered a carcinogen.
Reproductive toxicity	Not expected to cause reproductive effects.	Not expected to cause reproductive effects.
Specific target organ toxicity-Single exposure	May cause respiratory irritation.	Not classified
Specific target organ toxicity-repeated exposure	Not classified.	Not classified
Aspiration hazard	Not an aspiration hazard.	Not a hazard

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

Section XII - Ecological information

Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Hydrochloric Acid	7647-01-0	No data available	Western mosquitofish (Gambusia affinis) 282 mg/l, 96 h	No data available
Nonylphenol, ethoxylated	127087-87-0	No data available	No data available	No data available

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:

Non-Bulk: NA1760, compounds, cleaning liquid, (Hydrochloric Acid), 8, PG II

Bulk: NA1760, compounds, cleaning liquid, (Hydrochloric Acid), 8, PG II

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute and chronic health hazard

SARA Title III Section 313 (40CFR372): No reportable components.

RCRA Status (40CFR261.33): No reportable components.

TSCA Inventory Status: Reported/included

OSHA/NTP/IARC Carcinogen Status: Not listed

Canadian DSL Status: reported/included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrochloric Acid	X	X	X
Nonylphenol, ethoxylated	Not listed	Not listed	Not listed

Section XVI - Other information

HMIS ratings: Health: 3
Flammability: 0
Reactivity: 1

Indication of changes: Revision – 1

Date Sheet Prepared: 03/03/2016 Other information: Author – EHS Administrator

The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS