

SAFETY DATA SHEET



Date Prepared : 06/24/2015

SDS No : LW Desolve

LW Desolve

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LW Desolve

PRODUCT CODE: LW Desolve

MANUFACTURER

LW Chemicals, Inc.

PO BOX 205

MT. OLIVE, IL 62069

Customer Service: 217-999-4444

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation & Medical) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 4

Eye Corrosion, Category 2A

Skin Corrosion, Category 2

Target Organ Toxicity (Repeated exposure), Category 2

Physical:

Corrosive to Metals, Category 1

GHS LABEL



Corrosion



Exclamation
mark



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H290: May be corrosive to metals.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H373: May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

PRECAUTIONARY STATEMENTS

Prevention:

P234: Keep only in original packaging.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash ... thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of water/...

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy

to do. Continue rinsing.
 P314: Get medical advice/attention if you feel unwell.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362: Take off contaminated clothing.
 P390: Absorb spillage to prevent material damage.

Disposal:

P501: Dispose of contents/container to an approved waste disposal plant.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation

SKIN: Causes skin irritation

INGESTION: May be harmful if swallowed.

INHALATION: Inhalation of aerosols may cause irritation to mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Harmful if inhaled.

CARCINOGENICITY: None

MEDICAL CONDITIONS AGGRAVATED: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Glycine, N,n'-1,2-ethanediylbis[n-(carboxymethyl)-, Tetrasodium Salt	30 - 50	64-02-8
Sodium Hydroxide	1 - 5	1310-73-2

4. FIRST AID MEASURES

EYES: Rinse with plenty of water. Get medical attention immediately. Continue to rinse during transport of patient. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.

SKIN: Take off contaminated clothing and shoes immediately. Rinse immediately with plenty of water. If skin irritation persists, call a physician.

INGESTION: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Obtain medical attention.

INHALATION: If breathed in, move person into fresh air. Consult a physician after significant exposure.

NOTES TO PHYSICIAN: Symptoms: The symptoms and effects are as expected from the hazards as shown in section 2. No specific product related symptoms are known.

Treatment: Treat symptomatically.

ADDITIONAL INFORMATION: Immediate medical attention is required. Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

GENERAL HAZARD: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

EXTINGUISHING MEDIA: Use extinguishing meausers that are appropriate to local circumstances and the surrounding environment.

HAZARDOUS COMBUSTION PRODUCTS: None known.

FIRE FIGHTING PROCEDURES: Water spray may be ineffective unless used by experienced firefighters. Do not allow run-off from fire fighting to enter drains or water courses.

FIRE FIGHTING EQUIPMENT: Wear self contained breathing apparatus and other protective clothing.

6. ACCIDENTAL RELEASE MEASURES**ENVIRONMENTAL PRECAUTIONS**

WATER SPILL: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

GENERAL PROCEDURES: Neutralize with acid. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SPECIAL PROTECTIVE EQUIPMENT: Use person protective equipment. Ensure adequate ventilation.

7. HANDLING AND STORAGE

HANDLING: See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

STORAGE: Prevent unauthorized access. Keep container tightly closed in a dry and well-ventilated place. Store in closed dark containers made of anti-corrosive material.

STORAGE TEMPERATURE: No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Sodium Hydroxide	TWA		2	NL	NL
	STEL			NL	NL

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses.

PROTECTIVE CLOTHING: Protective Suit.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of work day.

OTHER USE PRECAUTIONS: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

COMMENTS: Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight Ammonia

ODOR THRESHOLD: No information Available

COLOR: Yellow

pH: 11 to 12

Notes: 1% (Water)

PERCENT VOLATILE: No information Available

FLASH POINT AND METHOD: Not Flammable

FLAMMABLE LIMITS: No information Available

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: Similar to water

VAPOR DENSITY: Similar to water

BOILING POINT: 105°C to 110°C

FREEZING POINT: No information Available
MELTING POINT: No information Available
POUR POINT: No information Available
THERMAL DECOMPOSITION: Not Available
SOLUBILITY IN WATER: Miscible
EVAPORATION RATE: No information Available
DENSITY: 1.15-1.38
SPECIFIC GRAVITY: No information Available
VISCOSITY #1: 19 mPa.s at 20°C Dynamic
VISCOSITY #2: 13.80 to 16.50 mm²/s at 20°C Kinematic
MOLECULAR WEIGHT: No information Available
(VOC): No information Available
OXIDIZING PROPERTIES: Not classified as oxidizing

10. STABILITY AND REACTIVITY

STABILITY: Stable Under Normal conditions.
CONDITIONS TO AVOID: None known.
POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing
HAZARDOUS DECOMPOSITION PRODUCTS: No information Available
INCOMPATIBLE MATERIALS: Aluminum, Zinc, copper alloys, copper, nickel

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: 1780 mg/kg (rat)

INHALATION LC₅₀: > 1-5 mg/l (Rat)

Notes: 4 hour exposure time.
 Test Atmosphere: dust/mist

EYE EFFECTS: Corrosive

SKIN EFFECTS: Corrosive

CARCINOGENICITY

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

OSHA: No Components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

SENSITIZATION: No

MUTAGENICITY: In vitro tests did not show mutagenic effects.

12. ECOLOGICAL INFORMATION

BIOACCUMULATION/ACCUMULATION: No information Available. Not readily biodegradable

AQUATIC TOXICITY (ACUTE): This product has no known ecotoxicological effects.

96-HOUR LC₅₀: 100 mg/l (Fish)

Notes: Toxicity to daphnia and other aquatic invertebrates: EC50: >500 Mg/l
 Exposure time: 24 H

Toxicity to algae: EC50: >100 mg/l

Exposure time: 72 h

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Hazardous waste. Dispose of contents/container in accordance with local regulation.

EMPTY CONTAINER: Empty remaining contents. Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Corrosive liquid, basic, organic, n.o.s. (Ethylenediaminetetraacetic acid, tetrasodium salt)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 3267

PACKING GROUP: III

BULK FREIGHT CLASS: 70

NOTE: When in 12x1 qt. packages, can ship as ORM-D consumer commodity.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	1 - 5	1,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Glycine, N,n'-1,2-ethanediyldis[n-(carboxymethyl)-, Tetrasodium Salt	64-02-8
Sodium Hydroxide	1310-73-2

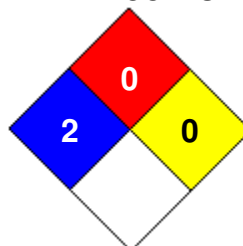
16. OTHER INFORMATION

Date Prepared: 06/24/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	3
FLAMMABILITY	<input type="checkbox"/>	0
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



MANUFACTURER DISCLAIMER: The information presented herein is believed to be accurate but is not warranted. Recipients

are advised to confirm in advance that the information is current, applicable and suitable to their circumstances.