

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Reverse-it HD
Description: Acidic Liquid
Product Code: NTA RIHD
Suggested Use: Removal of concrete
Restrictions on Use: None

Supplier: NuTech Specialties, Inc.
9811 South 6150 West
West Jordan, UT 84081

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2. HAZARDS IDENTIFICATION

Classification:

GHS Classification: Acute Toxicity 4
Skin Corrosion 1B

GHS Label Elements

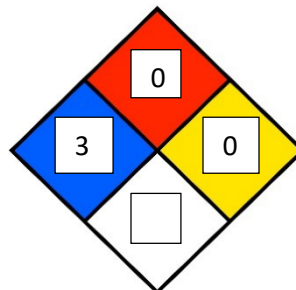
Pictogram:



Signal Word: Danger

Hazard Statements: H332, Harmful if inhaled
H314, Causes severe skin burns and eye damage

Precautionary Statements: P280, Wash thoroughly after handling



HMIS Classification:

Product: Reverse-it HD

NFPA Rating:

Health	3
Fire	0
Reactivity	0
Personal Protection	C

Potential Health Effects: Causes eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
Glycolic Acid	79-14-1	35%

Synonyms:

4. FIRST AID MEASURES

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
Skin Contact:	Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
If Ingested:	Do not induce vomiting unless instructed to do so by physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

5. FIREFIGHTING MEASURES

Extinguishing Media: Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide

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Hazardous Combustion Products: Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.

Special Protective Equipment for Firefighters: In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Always ensure adequate ventilation.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Safe Handling: Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.

Safe Storage: Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
N/A			

General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

Personal Protective Equipment

Eye Protection: Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

Hand Protection: Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

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Skin Protection: Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Green
Odor:	Burnt Sugar
Odor Threshold:	N/A
pH:	1
Melting/Freezing Point:	40° F
Boiling Point:	212° F
Flash Point:	Above 212° F
Evaporation Rate:	N/A
Flammability (Solid, Gas):	Non Flammable
Flammability/Explosion Limits:	N/A
Vapor Pressure @ 20°C:	N/A
Vapor Density:	N/A
Specific Gravity:	1.14
Density:	9.5# per gallon
Solubility in Water:	Complete
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity @ 40°C:	N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions and Materials to Avoid: Strong Alkalies

Hazardous Decomposition Products: N/A

11. TOXICOLOGICAL INFORMATION

Product: Reverse-it HD

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
Glycolic Acid	79-14-1	Oral LD50	2040 mg/kg
		Dermal LD50	>5000 mg/kg
		Inhalation LC50	4.85 mg/1

Potential Health Effects

Inhalation: URT irritation
Skin: Irritation
Eyes: Severe irritation, corrosive

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Glycolic acid	79-14-1	Flathead Minnow	164 mg/1

Ecological Effects

Persistence and Degradability: Readily bio-degradable
Bioaccumulation Potential: No Data
Mobility in Soil: No Data
Other Adverse Effects: No Data

13. DISPOSAL CONSIDERATIONS

Disposal: Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.
Contaminated Packaging: Dispose of as unused product.

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14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name: Corrosive liquid, Acidic, Organic, N.O.S., (glycolic acid)
UN Number: UN3265
Hazard Class: 8
Packing Group: II
Reportable Quantity (RQ): N/A
Marine Pollutant: No
Note:

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: None
SARA 311/312 Hazards: Immediate (acute) health hazard
SARA 313 Components: None
TSCA Inventory: N/A

European Union

EC Inventory: Listed or exempted

State Regulations

Utah Clean Air: Yes
California Prop 65: No
C.A.R.B: Yes

16. OTHER INFORMATION

SDS Version: 1.0
Revision Date: 05/05/2015
Supercedes: New to GHS

Notice to Reader:

Product: Reverse-it HD

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

NuTech Specialites, Inc.

Validated on: