

Material Safety Data Sheet Outhouse Antifreeze RS

Section 1. Chemical Product and Company Identification

Product Name	Outhouse Antifreeze Extreme	
Product Number	NTN OHA RS	
Manufacturer/ Supplier	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
Phone Number	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
D.O.T. Emergency Phone:	1-800-633-8253	
Date of Preparation	December 19, 2012	Revision Number 1.0

Section 2. Hazards Identification

Emergency overview	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
DANGER!	
Keep out of reach of children. Keep container closed during storage. For institutional and commercial use	
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Eyes	May be mildly irritating to skin and eyes on contact
Skin	May be mildly irritating to skin and eyes on contact
Inhalation	May be irritating to respiratory tract if inhaled
Ingestion	Not likely to be a primary rout of exposure
Medical conditions aggravated by exposure:	Persons with pre-existing skin and respiratory disorders may be at increased risk form overexposure to this material. This is not likely to be a problem when appropriate procedures are used to minimize exposure.
Potential Chronic Health	There is no known effect from chronic exposure to this product.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Target Organs	
Environmental Effects	

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC₅₀/LD₅₀
Magnesium Chloride	7791-18-6	20	N/A	N/A

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, rinse immediately with large amounts of water for at least 15 minutes, occasionally lifting the eyelids. Get medical attention.
Skin Contact	Wash exposed area twice with soap and water. The exposed area should be examined by medical personnel if irritation or pain persists after area has been washed.
Inhalation	In the unlikely event that a person would be exposed to an airborne mist of such magnitude as to be overcome, remove from exposure to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm at rest. Get medical attention.
Ingestion	If swallowed, induce vomiting to prevent further absorption. Give oxygen if respiration is shallow. Seek medical attention. Do not give anything by mouth to an unconscious person.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	

Section 5. Fire Fighting Measures

Flammability	Not available
Fire Fighting Media and instructions	Water spray, Carbon dioxide, Dry chemical
Products of Combustion	Not available
Special Remarks on Fire Hazards	N/A
Special Remarks on Explosion Hazards	N/A
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	N/A
Protection of Fire Fighters	See special remarks on Fire Hazards

Section 6. Accidental Release Measures

Personal Precautions	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Methods for Containment	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Environmental Precautions	See Methods for Containment
Methods for Clean Up	For small spills, use suitable absorbent material and collect later for disposal. For large spills diking may be required to contain the release. Consult local authorities for proper disposal of spill.

Section 7. Handling and Storage

Precautions	Maintain dry, ventilated conditions for storage. Keep away from strong acids to prevent release of hydrogen chloride gas. After handling always wash hands thoroughly with soap and water.
Incompatibility	No incompatible product according to our data base
Storage	Keep out of the reach of children. Not for use or storage in or around the home.

Keep out of reach of children.
Keep container closed during storage.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Personal Protection Good general ventilation should be sufficient to control airborne levels.

Eyes Chemical goggles

Body Impervious Boots

Respiratory All operation should be conducted in well-ventilated conditions. Local exhaust ventilation should be provided. For outdoor operations generating airborne mist, workers should position themselves upwind of the operation to avoid exposure.

Hands Impervious gloves

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Clear, Liquid
Molecular Weight	N/A
Ph	7
Boiling/Condensation Point	244.6 F
Melting/Freezing Point	N/A
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): 1.3 @ 68 F

Vapor Pressure	(Non-Aerosols)(mm Hg and Temperature): N/A
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1): N/A
Dispersion Properties	N/A
Solubility	Miscible
The Product is:	Neutral Liquid
Auto-ignition Temperature	N/A
Flash Points	N/A
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	N/A
Odor	Odorless
Color	Clear

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Avoid contact with strong acids
Hazardous Decomposition Products	Hydrogen chloride gas may be released if product is evaporated to dryness and heat to >500 degrees C

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	
Acute Effects on Humans	Acute oral toxicity (LD50): 4000 mg/kg {Rat}. (Triethanolamine)
Eyes	May be mildly irritating to skin and eyes on contact
Skin	May be mildly irritating to skin and eyes on contact
Inhalation	May be irritating to respiratory tract if inhaled
Ingestion	Not likely to be a primary rout of exposure
Chronic Effects on Humans	There is no known effect from chronic exposure to this product.

Special Remarks on Toxicity to Animals Not available

Special Remarks on Chronic Effects on Humans Not available

Section 12. Ecological Information

Ecotoxicity Not available

BOD5 and COD Not available

Products of Biodegradation Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation Not available

Special Remarks on the Products of Biodegradation Not available

Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available

Section 14. Transport Information

DOT (U.S.A.) (Pictograms)

TDG Classification Not controlled under TDG (Canada)

PIN UN, Proper Shipping Name, PG Not applicable

Maritime Transportation Not available

Special Provisions for Transport Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists No products were found.

Other Regulations Not available, or of its ingredients

Other Classifications **HCS (U.S.A.)** Not controlled under HCS (United States)

USA Regulatory Lists This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL)
SARA 302 Extremely Hazardous Substances - Not listed
SARA 311 - 1. Immediate (acute) health hazard
SARA 313 Toxic Chemical List – Not listed

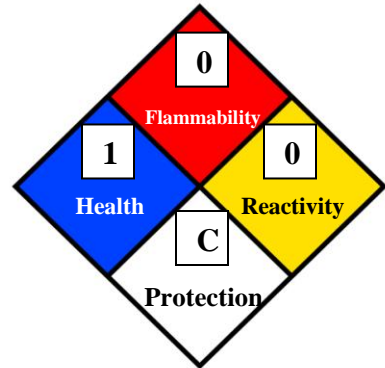
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No Products were found.

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



WHMIS (Classification) Not controlled under WHMIS (Canada).

The Hazard Ranking systems presented on this MSDS sheet provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Expiry Date 3 (Three Years) from the date of preparation indicated in Section 1.

Validated by _____ **Verified by** _____

Printed

Information Contact

Notice to Reader:

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 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.

Validated on _____ **NuTech Specialties, Inc.**