

Material Safety Data Sheet Windshield Wash RTU with Mr. Bug and Rainbead

Section 1. Chemical Product and Company Identification

Product Name	Windshield Wash RTU with Mr. Bug and Rainbead	
Product Number	NTN WWRRB	
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	September 25, 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	Can cause severe irritation, redness, tearing, and blurred vision
Skin	Prolonged or repeated contact can cause moderate irritation, de-fatting, dermatitis.
Inhalation	Excessive inhalation of vapors can cause nasal and respiratory irritation, Dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
Ingestion	Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death
Medical conditions aggravated by exposure:	N/A
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	N/A
Environmental Effects	N/A

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Methyl Alcohol	67-56-1	Proprietary		200 ppm

Section 4. First Aid Measures

Eye Contact	if in eyes, flush with large amounts of water, lifting upper and lower eyelids occasionally, get medical attention.
Skin Contact	If on skin, thoroughly wash exposed area with soap and water. Remove contaminated clothes.
Inhalation	if affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.
Ingestion	If swallowed, immediately drink two glasses of water and induce vomiting by either giving ipecac syrup or by placing finger at the back of the throat, never give anything by mouth to an unconscious person. Get medical attention immediately.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	N/A

Section 5. Fire Fighting Measures

Flammability	Not available
Fire Fighting Media and instructions	Water fog, carbon dioxide, or dry chemical. Wear self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires.
Products of Combustion	Carbon Dioxide, Carbon Monoxide
Special Remarks on Fire Hazards	Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
Special Remarks on Explosion Hazards	Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	Unlikely to accumulate static
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.
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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 Small Spills: Allow volatile portion to evaporate in hood. Allow sufficient time for vapors to completely clear hood duct work. Dispose of remaining material in accordance with applicable regulations.
Large Spills: Destroy by liquid incineration. Contaminated absorbent may be deposited in a landfill in accordance with local, state, and federal regulations.

Methods for Clean Up Small Spills: Eliminate all sources of ignition such as flares, flames (including pilot lights) and electrical sparks. Absorb liquid on paper, Vermiculite, floor absorbent material and transfer to hood.
Large Spills: Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up in sand, clay earth, floor absorbent, or other absorbent material and shoveled into containers. If run off occurs, notify proper authorities as requires, that spill has occurred.

Section 7. Handling and Storage

Precautions Containers may be hazardous when empty, since emptied containers contain residues. Contains methanol, cannot be made non-poisonous. Aluminum may form an oxide scale on prolonged exposure to methanol. 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. Keep away from ignition sources.

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.

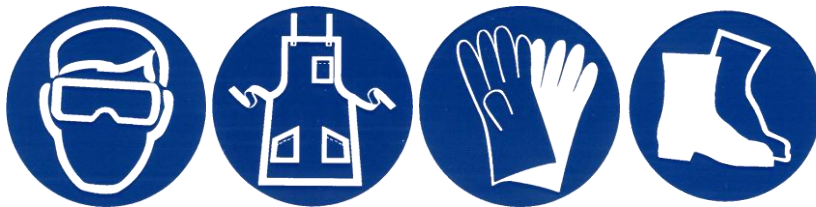
Eyes Chemical splash safety goggles or safety glasses

Body To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Use approved NIOSH.MSHA jointly approved air supplied respirator for methanol.

Hands Rubber or neoprene

Protective Clothing (Pictograms)



Exposure Limits See Section 2 For Applicable Exposure Limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Blue Liquid
Molecular Weight	N/A
Ph	6.0
Boiling/Condensation Point	180 F
Melting/Freezing Point	-98 C
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H20 = 1): 0.78
Vapor Pressure	(Non-Aerosols) (mm Hg and Temperature): 21 C; 133 mbar
Vapor Density	(Air = 1) 1.1
Volatility	N/A
VOC	N/A
Evaporation Rate	(H20 = 1): N/A
Dispersion Properties	N/A
Solubility	Complete in water
The Product is:	Flammable Liquid
Auto-ignition Temperature	446 C
Flash Points	54.0 F TCC
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point
Explosion Hazards in Presence of Various Substances	Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point
Odor	Alcohol Odor
Color	Blue

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Avoid contact with strong oxidizing agents
Hazardous Decomposition Products	None

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion
Toxicity to Animals	Oral rat 6.2 g/kg Inhalation rat 8 hr:> 22500ppm
Acute Effects on Humans	
Eyes	Can cause severe irritation, redness, tearing, and blurred vision
Skin	Prolonged or repeated contact can cause moderate irritation, de-fatting, dermatitis.
Inhalation	Excessive inhalation of vapors can cause nasal and respiratory irritation, Dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
Ingestion	Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death
Chronic Effects on Humans	Some acute
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

(UN1993 Flammable Liquid, NOS, (Methanol), 3, PGII, ERG 128)

Maritime Transportation Not a "marine pollutant"

Special Provisions for Transport Not available

Section 15. Regulatory Information and Pictograms

Regulatory Lists See below

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
2. Delayed (chronic) health hazard
3. Fire hazard
SARA 313 Toxic Chemical List – Listed

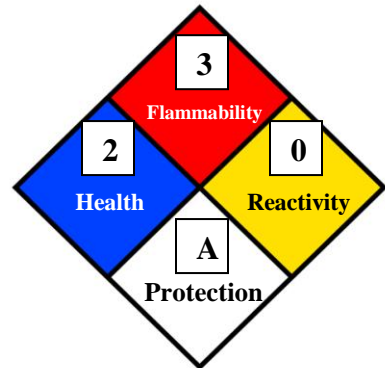
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No Products were found.

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



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



WHMIS (Classification) Controlled

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.**