

## Material Safety Data Sheet Windshield Wash RTU HD with Mr. Bug

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	Windshield Wash RTU HD with Mr. Bug	
<b>Product Number</b>	NTN WWRHD	
<b>Manufacturer/ Supplier</b>	NuTech Specialties, Inc. 9811 So. 6150 W. West Jordan, UT 84088	
<b>Phone Number</b>	(801) 253-1000 (Mon-Fri/ 8am- 5pm MT)	
<b>D.O.T. Emergency Phone:</b>	<b>1-800-633-8253</b>	
<b>Date of Preparation</b>	September 25, 2012	<b>Revision Number</b> 1.0

### Section 2. Hazards Identification

<b>Emergency overview</b>	<b>This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.</b>
<b>DANGER!</b>	
	Keep out of reach of children. Keep container closed during storage. For institutional and commercial use.
<b>Potential Acute Health Effects</b>	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion. Non-corrosive for skin. Non-hazardous in case of inhalation
<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Eyes</b>	Can cause severe irritation, redness, tearing, and blurred vision
<b>Skin</b>	Prolonged or repeated contact can cause moderate irritation, de-fatting, dermatitis.
<b>Inhalation</b>	Excessive inhalation of vapors can cause nasal and respiratory irritation, Dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
<b>Ingestion</b>	Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death
<b>Medical conditions aggravated by exposure:</b>	N/A
<b>Potential Chronic Health</b>	There is no known effect from chronic exposure to this product.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
<b>Target Organs</b>	N/A
<b>Environmental Effects</b>	N/A

### Section 3. Composition and Information on Ingredients

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

### Section 4. First Aid Measures

<b>Eye Contact</b>	if in eyes, flush with large amounts of water, lifting upper and lower eyelids occasionally, get medical attention.
<b>Skin Contact</b>	If on skin, thoroughly wash exposed area with soap and water. Remove contaminated clothes.
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>General Advice</b>	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
<b>Notes to Physician</b>	N/A

### Section 5. Fire Fighting Measures

<b>Flammability</b>	Not available
<b>Fire Fighting Media and instructions</b>	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.
<b>Products of Combustion</b>	Carbon Dioxide, Carbon Monoxide
<b>Special Remarks on Fire Hazards</b>	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.
<b>Special Remarks on Explosion Hazards</b>	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.
<b>Sensitivity to Mechanical Impact</b>	Not available
<b>Sensitivity to Static Discharge</b>	Unlikely to accumulate static
<b>Protection of Fire Fighters</b>	See special remarks on Fire Hazards

### Section 6. Accidental Release Measures

<b>Personal Precautions</b>	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.

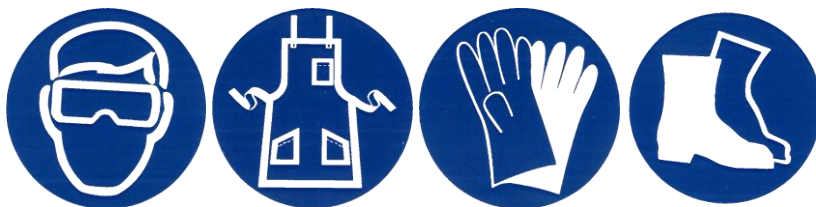
**Eyes** Chemical splash safety goggles or safety glasses

**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

<b>Physical State and Appearance</b>	Blue Liquid
<b>Molecular Weight</b>	N/A
<b>Ph</b>	6.0
<b>Boiling/Condensation Point</b>	168 F
<b>Melting/Freezing Point</b>	-98 C
<b>Critical Temperature</b>	N/A
<b>Instability Temperature</b>	N/A
<b>Specific Gravity</b>	(H2O = 1): 0.78
<b>Vapor Pressure</b>	(Non-Aerosols) (mm Hg and Temperature): 21 C; 133 mbar
<b>Vapor Density</b>	(Air = 1) 1.1
<b>Volatility</b>	N/A
<b>VOC</b>	N/A
<b>Evaporation Rate</b>	(H2O = 1): N/A
<b>Dispersion Properties</b>	N/A
<b>Solubility</b>	Complete in water
<b>The Product is:</b>	Flammable Liquid
<b>Auto-ignition Temperature</b>	446 C
<b>Flash Points</b>	54.0 F TCC
<b>Flammable Limits</b>	N/A
<b>Fire Hazards in Presence Of Various Substances</b>	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
<b>Explosion Hazards in Presence of Various Substances</b>	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
<b>Odor</b>	Alcohol Odor
<b>Color</b>	Blue

### Section 10. Stability and Reactivity Data

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

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion
<b>Toxicity to Animals</b>	Oral rat 6.2 g/kg Inhalation rat 8 hr:> 22500ppm
<b>Acute Effects on Humans</b>	
<b>Eyes</b>	Can cause severe irritation, redness, tearing, and blurred vision
<b>Skin</b>	Prolonged or repeated contact can cause moderate irritation, de-fatting, dermatitis.
<b>Inhalation</b>	Excessive inhalation of vapors can cause nasal and respiratory irritation, Dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
<b>Ingestion</b>	Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death
<b>Chronic Effects on Humans</b>	Some acute
<b>Special Remarks on Toxicity to Animals</b>	Not available
<b>Special Remarks on Chronic Effects on Humans</b>	Not available

### Section 12. Ecological Information

<b>Ecotoxicity</b>	Not available
<b>BOD5 and COD</b>	Not available
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	Not available
<b>Special Remarks on the Products of Biodegradation</b>	Not available

### Section 13. Disposal Considerations

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Waste Stream</b>	Not available

### Section 14. Transport Information

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



<b>TDG Classification</b>	Not controlled under TDG (Canada)
<b>PIN UN, Proper Shipping Name, PG</b>	( UN1993 Flammable Liquid, NOS, (Methanol), 3, PGII, ERG 128)
<b>Maritime Transportation</b>	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

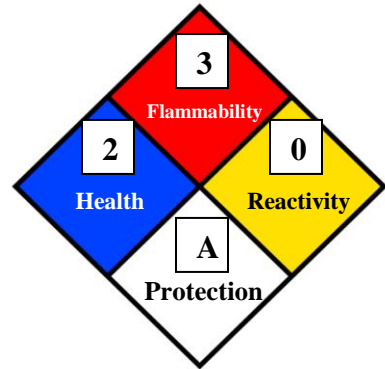
**DSD (EEC)** This product is not classified according to the EU regulations.

**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.**