

## Material Safety Data Sheet Enviro Clean Parts Washing Solvent

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	Enviro Clean Parts Washing Solvent	
<b>Product Number</b>	NTN OC	
<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>	April 26, 2013	<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.	
<b>Potential Acute Health Effects</b>	This product is an eye irritant.
<b>Routes of Entry</b>	Eye Contact Ingestion. INHALATION Skin contact.
<b>Eyes</b>	Eye irritant.
<b>Skin</b>	Skin irritant with prolonged contact.
<b>Inhalation</b>	Vapors may be irritating to the eye and mucous membranes of the nose, throat, and lungs. High concentrations may cause nausea.
<b>Ingestion</b>	Harmful if swallowed. May cause headache, dizziness, nausea, vomiting, breathing difficulties and weakness. Possible kidney damage may result from long quantities of material.
<b>Medical conditions aggravated by exposure:</b>	Over-exposure by inhalation may cause respiratory irritation.
<b>Potential Chronic Health</b>	Over-exposure by inhalation may cause respiratory irritation.
<b>Carcinogenic Effects</b>	No evidence of chronic effects
<b>Target Organs</b>	Kidney
<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>
Orange Terpenes	68647-72-3	Proprietary		
Methyl Esters	68647-72-3	Proprietary		

### Section 4. First Aid Measures

<b>Eye Contact</b>	Remove contact lenses, flush with large quantities of water for 15-20 minutes. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Flush with large quantities of water. Seek medical attention if irritation persists.
<b>Inhalation</b>	Get to fresh air. IF breathing is difficult, seek medical attention if irritation persists.
<b>Ingestion</b>	Drink two glasses of water and induce vomiting. Seek 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).

#### Notes to Physician

### Section 5. Fire Fighting Measures

<b>Flammability</b>	No specific information is available in our database regarding the flammability of this product in presence of various materials.
<b>Fire Fighting Media and instructions</b>	Non-flammable substance.
<b>Products of Combustion</b>	Not available.
<b>Special Remarks on Fire Hazards</b>	N/A
<b>Special Remarks on Explosion Hazards</b>	N/A
<b>Sensitivity to Mechanical Impact</b>	N/A
<b>Sensitivity to Static Discharge</b>	N/A
<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. Usual precaution for combustible liquids, avoid freezing of product
<b>Methods for Containment</b>	Absorb spills with dirt, sand or other suitable material
<b>Environmental Precautions</b>	Incinerate in a furnace where permitted under appropriate federal, state, and local regulations
<b>Methods for Clean Up</b>	Absorb spills with dirt, sand, or other suitable material

## Section 7. Handling and Storage

<b>Precautions</b>	Keep locked up. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
<b>Incompatibility</b>	oxidizing agents
<b>Storage</b>	Keep locked up and out of the reach of children. Keep container tightly closed. 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** Safety glasses or splash goggles

**Body** No special protective clothing is required. Eye washing station recommended

**Respiratory** Not normally required. If needed mechanical exhaust may be necessary in confined space

**Hands** Rubber or neoprene gloves

### Protective Clothing (Pictograms)



### Exposure Limits

### 2-Butoxyethanol

TWA: 25 (ppm)

TWA: 50 (ppm) from OSHA (PEL)

## Section 9. Physical and Chemical Properties

<b>Physical State and Appearance</b>	Yellow liquid
<b>Molecular Weight</b>	N/A
<b>Ph</b>	7
<b>Boiling/Condensation Point</b>	200 F
<b>Melting/Freezing Point</b>	N/A
<b>Critical Temperature</b>	N/A
<b>Instability Temperature</b>	N/A

<b>Specific Gravity</b>	(H20 = 1): 0.88
<b>Vapor Pressure</b>	(Non-Aerosols)(mm Hg and Temperature): N/A
<b>Vapor Density</b>	(Air = 1)
<b>Volatility</b>	N/A
<b>VOC</b>	N/A
<b>Evaporation Rate</b>	(H20 = 1): N/A
<b>Dispersion Properties</b>	N/A
<b>Solubility</b>	Partially in water
<b>The Product is:</b>	
<b>Auto-ignition Temperature</b>	N/A
<b>Flash Points</b>	Special fire fighting procedures: 290 F Tag closed cup
<b>Flammable Limits</b>	N/A
<b>Fire Hazards in Presence Of Various Substances</b>	None
<b>Explosion Hazards in Presence of Various Substances</b>	None
<b>Odor</b>	Citrus scent
<b>Color</b>	Yellow

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substance</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Burning can produce carbon dioxide and/or carbon monoxide

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Eye Contact Ingestion. INHALATION Skin contact
<b>Toxicity to Animals</b>	
<b>Acute Effects on Humans</b>	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 1746 mg/kg {Rat}. (2-Butoxyethanol) Acute toxicity of the gas (LC50): 926 ppm 4 hour(s) {Mouse} (2-Butoxyethanol)
<b>Eyes</b>	Eye irritant.
<b>Skin</b>	Skin irritant with prolonged contact.
<b>Inhalation</b>	Vapors may be irritating to the eye and mucous membranes of the nose, throat, and lungs. High concentrations may cause nausea.

<b>Ingestion</b>	Harmful if swallowed. May cause headache, dizziness, nausea, vomiting, breathing difficulties and weakness. Possible kidney damage may result from long quantities of material.
<b>Chronic Effects on Humans</b>	Over-exposure by inhalation may cause respiratory irritation.
<b>Special Remarks on Toxicity to Animals</b>	No additional remarks
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remarks

### 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>	No additional remarks

### Section 13. Disposal Considerations

<b>Waste Information</b>	Any method in accordance with applicable laws.
<b>Waste Stream</b>	Not available

### Section 14. Transport Information

<b>DOT (U.S.A.) (Pictograms)</b>	
<b>TDG Classification</b>	Not controlled under TDG (Canada)
<b>PIN UN, Proper Shipping Name, PG</b>	Not applicable
<b>Maritime Transportation</b>	Not available
<b>Special Provisions for Transport</b>	Not applicable

### Section 15. Regulatory Information and Pictograms

<b>Regulatory Lists</b>	No products were found	
<b>Other Regulations</b>	Not available, or of its ingredients	
<b>Other Classifications</b>	<b>HCS (U.S.A.)</b>	HCS CLASS: Irritating substance.

**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

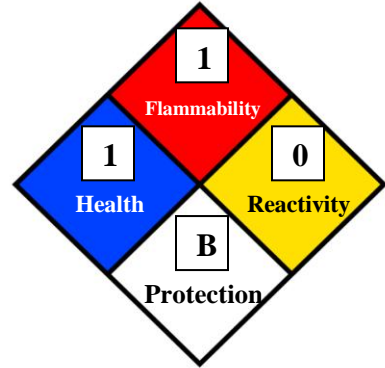
**DSD (EEC)**

**International Regulations Lists** No Products were found.

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



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



**WHMIS (Classification)** WHMIS CLASS D-2: Material causing other toxic effects.

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**

**Information Contact** **Printed**

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.**