

## Material Safety Data Sheet Orange Twister

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	Orange Twister	
<b>Product Number</b>	NTAL OT	
<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 28, 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>
DANGER!	
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>	Eye irritant
<b>Skin</b>	May cause slight irritation with prolonged contact
<b>Inhalation</b>	Vapors can be irritating to respiratory tract, eyes and nose. High concentrations may cause nausea
<b>Ingestion</b>	Harmful if swallowed. May cause headache, nausea, vomiting, breathing difficulties and weakness. Possible kidney damage
<b>Medical conditions aggravated by exposure:</b>	There is no known effect from chronic exposure to this product.
<b>Potential Chronic Health</b>	There is no known effect from chronic exposure to this product.
<b>Carcinogenic Effects</b>	None
<b>Target Organs</b>	Kidney
<b>Environmental Effects</b>	

### Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Ethylene Glycol Monobutyl Ether Orange Terpenes	111-76-2	15		50/20

### Section 4. First Aid Measures

<b>Eye Contact</b>	Remove contact lens. Flush with 1% boric and water for 15-20 minutes. See physician immediately
<b>Skin Contact</b>	Remove contaminated clothing. Wash affected areas with copious amounts of soap and water
<b>Inhalation</b>	Seek fresh air immediately. If breathing is difficult see physician
<b>Ingestion</b>	Give vinegar or acidic fruit. See physician immediately, stomach will need to be pumped.
<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>	Pump stomach if ingested

### Section 5. Fire Fighting Measures

<b>Flammability</b>	None
<b>Fire Fighting Media and instructions</b>	None
<b>Products of Combustion</b>	None
<b>Special Remarks on Fire Hazards</b>	None
<b>Special Remarks on Explosion Hazards</b>	None
<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	None
<b>Protection of Fire Fighters</b>	None

### 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.
<b>Methods for Containment</b>	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.
<b>Environmental Precautions</b>	See Methods for Containment

**Methods for Clean Up**      Clean up with water

### Section 7. Handling and Storage

**Precautions**                      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. Store between 35-120 F. Keep container closed when not in use and keep out of reach of children.

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 goggles

**Body**                                 Eye wash station recommended

**Respiratory**                      Not normally required, however, if needed mechanical exhaust may be necessary in confined space

**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**      N/A

**Molecular Weight**                      N/A

**Ph**    7.0-7.5

**Boiling/Condensation Point**            212 F

**Melting/Freezing Point**                N/A

**Critical Temperature**                  N/A

**Instability Temperature**                N/A

<b>Specific Gravity</b>	(H20 = 1): 1.135
<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>	100% in water
<b>The Product is:</b>	Neutral Liquid
<b>Auto-ignition Temperature</b>	N/A
<b>Flash Points</b>	N/A
<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>	N/A
<b>Color</b>	N/A

#### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substance</b>	Acids
<b>Hazardous Decomposition Products</b>	Not determined

#### Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	
<b>Acute Effects on Humans</b>	
<b>Eyes</b>	Eye irritant
<b>Skin</b>	May cause slight irritation with prolonged contact
<b>Inhalation</b>	Vapors can be irritating to respiratory tract, eyes and nose. High concentrations may cause nausea
<b>Ingestion</b>	Harmful if swallowed. May cause headache, nausea, vomiting, breathing difficulties and weakness. Possible kidney damage

**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** Approved city sewage

### 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

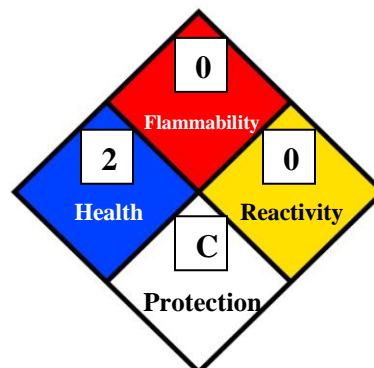
**DSD (EEC)** This product is not classified according to the EU regulations.

**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** \_\_\_\_\_

**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.**