

Material Safety Data Sheet Touch of Orange Hand Cleaner

Section 1. Chemical Product and Company Identification

Product Name	Touch of Orange Hand Cleaner	
Product Number	NTN TOHC	
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	Slight to moderate eye irritation depending on exposure.
Skin	Prolonged or repeated contact may result in irritation or dermatitis.
Inhalation	Vapors of hot product may be slightly irritating to mucous membranes in high concentrations or after prolonged exposure at lower concentrations.
Ingestion	May result in vomiting. Aspiration into the lungs must be avoided as lung contact can result in chemical pneumonitis, pulmonary edema.
Medical conditions aggravated by exposure	There is no known effect from chronic exposure to this product.
Potential Chronic Health	Over exposure can lead to CNS depression, producing headache, dizziness, nausea, and loss of consciousness.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
Target Organs	May cause damage to the following organs: kidneys, lungs, the nervous system, liver, mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
Environmental Effects	None expected

Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Aliphatic Petroleum Distillate	64742-96-7	25-35		
Orange Turpentine's	94266-47-4	15		

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists seek medical attention.
Skin Contact	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If serious symptoms occur seek immediate medical attention.
Ingestion	Have conscious person drink several glasses of water or milk. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs. Seek immediate medical attention.
General Advice	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
Notes to Physician	Not available

Section 5. Fire Fighting Measures

Flammability	Not available
Fire Fighting Media and instructions	Water fog, Foam, Dry Chemical, CO ₂
Products of Combustion	Not available
Special Remarks on Fire Hazards	None. Wear proper protective equipment including a NIOSH approved self contained breathing apparatus
Special Remarks on Explosion Hazards	None. Wear proper protective equipment including a NIOSH approved self contained breathing apparatus.
Sensitivity to Mechanical Impact	Not available
Sensitivity to Static Discharge	Not available
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	Dispose in authorized hazardous waste disposal facility in accordance with applicable federal, state and legal rules and regulations.
Methods for Clean Up	DO NOT CONTAMINATE SEWERS, GROUND WATERS, OR SURFACE WATERS. Place in properly labeled, sealed, Non-Leaking containers for proper disposal as hazardous waste.

Section 7. Handling and Storage

Precautions	After handling always wash hands thoroughly with soap and water. Keep out of reach of children. Keep containers sealed when not in use. Keep product from freezing temperatures and extreme heat. Keep product in original shipping container. Shelf life 1 year.
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	Safety goggles.
Body	None
Respiratory	Not applicable
Hands	Not applicable
Protective Clothing (Pictograms)	



Exposure Limits	See Section 2 For Applicable Exposure Limits.
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Section 9. Physical and Chemical Properties

Physical State and Appearance	Orange Liquid
Molecular Weight	N/A
Ph	5
Boiling/Condensation Point	212 f

Melting/Freezing Point	32 F
Critical Temperature	N/A
Instability Temperature	N/A
Specific Gravity	(H2O = 1): 0.9
Vapor Pressure	(Non-Aerosol)(mm Hg and Temperature)
Vapor Density	(Air = 1)
Volatility	N/A
VOC	N/A
Evaporation Rate	(H2O = 1)
Dispersion Properties	N/A
Solubility	Dispersible
The Product is:	Viscous Liquid
Auto-ignition Temperature	N/A
Flash Points	(Non-Aerosols): 180 F (TCC)
Flammable Limits	N/A
Fire Hazards in Presence Of Various Substances	N/A
Explosion Hazards in Presence of Various Substances	N/A
Odor	Orange Fragrance
Color	Orange Liquid

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substance	Strong oxidizing agents, Acids, Alkalis
Hazardous Decomposition Products	Oxides of carbon nitrogen. Unidentified organic compounds
Conditions to avoid	Avoid Heat, flame and contact with strong oxidizing agents

Section 11. Toxicological Information

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Oral LD50>5000 mg / kg (Rat) Dermal LD50 >2000mg / kg (Rabbit)
Acute Effects on Humans	N/A
Eyes	Slight to moderate eye irritation depending on exposure.

Skin	Prolonged or repeated contact may result in irritation or dermatitis.
Inhalation	Vapors of hot product may be slightly irritating to mucous membranes in high concentrations or after prolonged exposure at lower concentrations.
Ingestion	May result in vomiting. Aspiration into the lungs must be avoided as lung contact can result in chemical pneumonitis, pulmonary edema.
Chronic Effects on Humans	Over exposure can lead to CNS depression, producing headache, dizziness, nausea, and loss of consciousness.
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)	Not regulated by DOT
TDG Classification	Not controlled under TDG (Canada)
PIN UN, Proper Shipping Name, PG	Not applicable
Maritime Transportation	Not applicable
Special Provisions for Transport	Not a "marine pollutant"

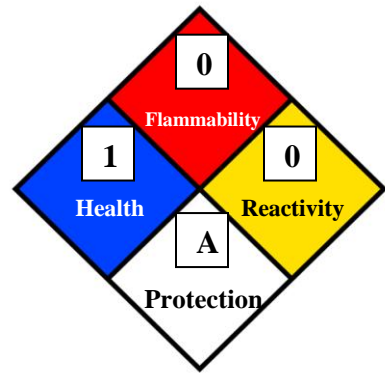
Section 15. Regulatory Information and Pictograms

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) (Safe Harbor Level). Massachusetts RTK SARA 302 Extremely Hazardous Substances - Not listed SARA 311 - 1. Immediate (acute) health hazard 2. Delayed (chronic) health hazard SARA 313: No components found
	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.**