

## Material Safety Data Sheet Red Devil Hand Cleaner

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	Red Devil Hand Cleaner	
<b>Product Number</b>	NTN RDHC	
<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>
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>	Slight to moderate eye irritation depending on exposure.
<b>Skin</b>	Prolonged or repeated contact may result in irritation or dermatitis.
<b>Inhalation</b>	Vapors of hot product may be slightly irritating to mucous membranes in high concentrations or after prolonged exposure at lower concentrations.
<b>Ingestion</b>	May result in vomiting. Aspiration into the lungs must be avoided as lung contact can result in chemical pneumonitis, pulmonary edema.
<b>Medical conditions aggravated by exposure</b>	There is no known effect from chronic exposure to this product.
<b>Potential Chronic Health</b>	Over exposure can lead to CNS depression, producing headache, dizziness, nausea, and loss of consciousness.
<b>Carcinogenic Effects</b>	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
<b>Target Organs</b>	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.
<b>Environmental Effects</b>	None expected

### Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Aliphatic Petroleum Distillate	64742-96-7	25-35		100

### Section 4. First Aid Measures

<b>Eye Contact</b>	In case of contact with eyes, rinse immediately with plenty of water for 15 minutes. If irritation persists see a doctor.
<b>Skin Contact</b>	Wash with water. If persistent irritation develops see a doctor.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs. Seek medical attention.
<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>	Inhalation overexposure can produce toxic effects. Monitor for respiratory distress. If cough or difficulty breathing develops, evaluate for upper respiratory tract inflammation, bronchitis, and pneumonitis. Administer supplemental oxygen with assisted ventilation, as required.

### Section 5. Fire Fighting Measures

<b>Flammability</b>	Not available
<b>Fire Fighting Media and instructions</b>	Water fog, foam, dry chemical. CO <sub>2</sub> . Wear proper protective equipment including a NIOSH approved self contained breathing apparatus.
<b>Products of Combustion</b>	Carbon Dioxide, Carbon Monoxide
<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>	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.
<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>	Dispose in authorized hazardous waste disposal facility in accordance with applicable federal, state and legal rules and regulations.
<b>Methods for Clean Up</b>	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**

<b>Precautions</b>	Keep out of reach of children. Keep container sealed when not in use. Protect product from freezing temperatures and extreme heat. Keep product in original shipping container. Shelf life 1 year. After handling always wash hands thoroughly with soap and water.
<b>Incompatibility</b>	No incompatible product according to our data base
<b>Storage</b>	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**

<b>Engineering Controls</b>	None needed
<b>Personal Protection</b>	Good general ventilation should be sufficient to control airborne levels.
<b>Eyes</b>	Safety glasses
<b>Body</b>	Not applicable
<b>Respiratory</b>	Not applicable
<b>Hands</b>	Not applicable
<b>Protective Clothing (Pictograms)</b>	



**Exposure Limits** See Section 2 For Applicable Exposure Limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Red Viscous Liquid
<b>Molecular Weight</b>	N/A
<b>Ph</b>	5
<b>Boiling/Condensation Point</b>	212 F
<b>Melting/Freezing Point</b>	32 F
<b>Critical Temperature</b>	N/A

<b>Instability Temperature</b>	>212 F
<b>Specific Gravity</b>	(H20 = 1): 0.9
<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>	Dispersible
<b>The Product is:</b>	
<b>Auto-ignition Temperature</b>	N/A
<b>Flash Points</b>	180 F (TCC)
<b>Flammable Limits</b>	N/A
<b>Fire Hazards in Presence Of Various Substances</b>	Strong Oxidizers
<b>Explosion Hazards in Presence of Various Substances</b>	None
<b>Odor</b>	Cherry Fragrance
<b>Color</b>	Red

#### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substance</b>	Strong oxidizing agents, acids, alkalis
<b>Conditions to avoid</b>	Avoid heat, flame and contact with strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Oxides of carbon nitrogen. Unidentified organic compounds

#### 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>	Acute oral toxicity (LD50): 4000 mg/kg {Rat}. (Triethanolamine)
<b>Eyes</b>	Slight to moderate irritant depending on exposure
<b>Skin</b>	Prolonged or repeated contact may result in irritation or dermatitis

<b>Inhalation</b>	Vapors of hot product may be slightly irritating to mucous membranes in high concentrations or after prolonged exposure at lower concentrations.
<b>Ingestion</b>	May result in vomiting. Aspiration into lungs must be avoided as lung contact can result in chemical pneumonitis, pulmonary edema.
<b>Chronic Effects on Humans</b>	There is no known effect from chronic exposure to this product.
<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

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

### 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> 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: Ethylene Oxide  
 SARA 302 Extremely Hazardous Substances - Not listed  
 SARA 311 - 1. Immediate (acute) health hazard  
 2. Delayed (chronic) health hazard  
 SARA 313: No components found

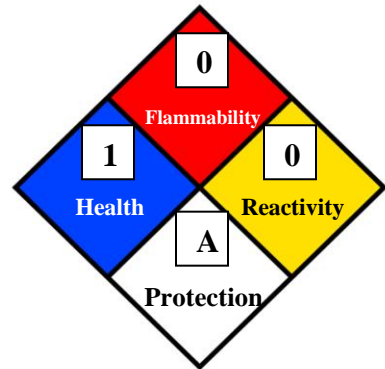
**DSD (EEC)** This product is not classified according to the EU regulations.

**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.