

## Material Safety Data Sheet HP Industrial

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	HP Industrial	
<b>Product Number</b>	ID A734-20	
<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

**Emergency overview**                      **Harmful or fatal if swallowed. Vapor harmful. Extremely flammable aerosol. Contents under pressure.**

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. Inhalation. Ingestion.

**Eyes**                                      May cause eye irritation. Inflammation of the eye is characterized by redness, watering, and itching.

**Skin**                                        May cause skin dryness and irritation. Skin inflammation is characterized by itching, scaling, or reddening.

**Inhalation**                              Harmful by inhalation. May cause respiratory irritation. Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, Dizziness, nausea, stupor, weakness and/or numbness and tingling in the extremities (medical term - peripheral neuropathy) Adverse symptoms may include the following: chemical pneumonitis.

**Ingestion**                                No known significant effects or critical hazards.

**Medical conditions  
Aggravated by  
Exposure:**                      Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

**Potential Chronic Health**            There is no known effect from chronic exposure to this product.

**Carcinogenic Effects**                Prolonged skin contact may cause dermatitis with drying and cracking of skin.

**Target Organs**                         Prolonged or repeated contact may cause dry skin and cause irritation. May cause damage to the following organs: gastrointestinal tract, upper respiratory tract, eyes.

**Environmental  
Effects**

### Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Heptane	142-82-5	60-100		
Ethanol	64-17-5	1-10		
Propan-2-ol	67-63-0	1-10		
Carbon Dioxide	124-38-9	1-5		

### Section 4. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
<b>Skin Contact</b>	IN case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. If irritation persists, get medical attention.
<b>Inhalation</b>	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt, or waistband. If irritation persists, get medical attention.
<b>Ingestion</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
<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>	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled

### Section 5. Fire Fighting Measures

<b>Flammability</b>	Extremely flammable
<b>Fire Fighting Media and instructions</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Products of Combustion</b>	Carbon oxides (CO, CO <sub>2</sub> )
<b>Special Remarks on Fire Hazards</b>	N/A
<b>Special Remarks on Explosion Hazards</b>	Not available
<b>Sensitivity to Mechanical Impact</b>	Not available
<b>Sensitivity to Static Discharge</b>	N/A
<b>Protection of Fire Fighters</b>	Fire-fighters should wear appropriate equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### Section 6. Accidental Release Measures

<b>Personal Precautions</b>	No action shall be taken involving any personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch
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or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Methods for Containment** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Environmental Precautions** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information. Refer to section 7: HANDLING AND STORAGE and section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION for additional handling information and protection of employees.

**Methods for Clean Up** If spilled, contain spill and dilute with water, wash all surfaces with water.

## Section 7. Handling and Storage

**Precautions** Put an appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should always wash hands and face thoroughly with soap and water before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure – obtain special instructions before use. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Incompatibility** Oxidizers

**Storage** Do not store above the following temperature: 48.889 C (120 F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Keep out of reach of children.  
Keep container closed during storage.

## Section 8. Exposure Controls/Personal Protection

**Engineering Controls** If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal Protection** Good general ventilation should be sufficient to control airborne levels.

**Eyes** Safety glasses

**Body** Not applicable

**Respiratory** Wear appropriate respirator when ventilation is inadequate.

**Hands** Neoprene or rubber gloves

**Protective Clothing (Pictograms)**



**Exposure Limits**

See Section 2 For Applicable Exposure Limits.

**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	Clear Liquid
<b>Molecular Weight</b>	N/A
<b>Ph</b>	N/A
<b>Boiling/Condensation Point</b>	N/A
<b>Melting/Freezing Point</b>	N/A
<b>Critical Temperature</b>	N/A
<b>Instability Temperature</b>	N/A
<b>Specific Gravity</b>	(H2O = 1): N/A
<b>Vapor Pressure</b>	(Non-Aerosols)(mm Hg and Temperature): 13.3 kPa (100mm Hg) [20 C]
<b>Vapor Density</b>	(Air = 1): 0.685
<b>Volatility</b>	N/A
<b>VOC</b>	95% (w/w) 5.43 lbs/gal (650.8 g/l)
<b>Evaporation Rate</b>	(H2O = 1): N/A
<b>Dispersion Properties</b>	N/A
<b>Solubility</b>	Insoluble in the following materials: cold water and hot water.
<b>The Product is:</b>	
<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>	N/A
<b>Explosion Hazards in Presence of Various Substances</b>	N/A
<b>Odor</b>	Solvent
<b>Color</b>	Clear

## Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substance</b>	Oxidizers
<b>Conditions to avoid</b>	Heat
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO, CO <sub>2</sub> )

## Section 11. Toxicological Information

<b>Routes of Entry</b>	Absorbed through skin. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Heptane: Acute LC50 375000 ug/L Fresh water (Fish – Oreochromis) Propan-2-ol: Acute LC50 1400000 ug/L Marine water (Crustaceans – Crangon) Acute LC50 >1400000 ug/L (Fish – Gambusia affinis – 20to30mm) Ethanol: Acute LC50 25500 ug/L Marine water (Crustaceans – Artemia franchiscana – Larvae)
<b>Acute Effects on Humans Eyes</b>	Acute oral toxicity (LD50): 4000 mg/kg {Rat}. (Triethanolamine) May cause eye irritation. Inflammation of the eye is characterized by redness, watering, and itching.
<b>Skin</b>	May cause skin dryness and irritation. Skin inflammation is characterized by itching, scaling, or reddening.
<b>Inhalation</b>	Harmful by inhalation. May cause respiratory irritation. Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, Dizziness, nausea, stupor, weakness and/or numbness and tingling in the extremities (medical term - peripheral neuropathy) Adverse symptoms may include the following: chemical pneumonitis.
<b>Ingestion</b>	No known significant effects or critical hazards.
<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 determined
<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>	
<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 available

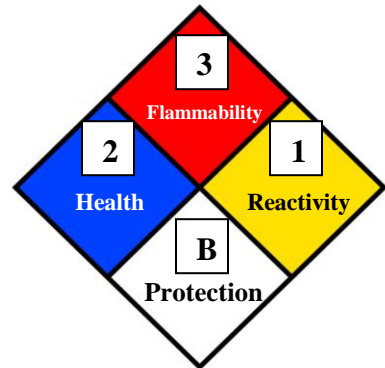
**Section 15. Regulatory Information and Pictograms**

<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)
	<b>USA Regulatory Lists</b>	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 302/304/311/312: <b>Hazardous chemicals:</b> Carbon Dioxide; Ethanol; propan-2-ol; Heptane SARA 302/304/311/312 <b>Extremely Hazardous Substances:</b> No products were found. CERCLA: Hazardous substances: No products were found.
	<b>US Inventory (TSCA)</b>	All components are listed or exempted.
	<b>DSD (EEC)</b>	This product is not classified according to the EU regulations.
	<b>International Regulations Lists</b>	No Products were found.

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

<b>HEALTH</b>	2
<b>FIRE</b>	3
<b>REACTIVITY</b>	0

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



**WHMIS (Classification)** Not controlled under WHMIS (Canada).

