

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: High Purity Cleaner 2  
Description: Highly volatile  
Product Code: NTN HPC2  
Suggested Use: Cleaning automotive brakes  
Restrictions on Use: Avoid ignition sources

Supplier: NuTech Specialties, Inc.  
9811 South 6150 West  
West Jordan, UT 84081

Telephone: 801-253-1000 (M-F) 8:00-5:00  
Fax: 801-280-0307  
Emergency Phone: 800-633-8253

## 2. HAZARDS IDENTIFICATION

### Classification:

GHS Classification: Flammable 2  
Skin irritant 2  
STOT SE 3  
STOT RE 2  
ASP TX 1  
Aquatic chronic 2

### GHS Label Elements

Pictogram:



Signal Word: Danger  
Hazard Statements: H225, Highly Flammable Liquid and Vapor  
H336, May Cause Drowsiness or Dizziness  
H304, May be Fatal if Swallowed and Enters Airways  
H373, May cause damage to organs through prolonged or repeated exposure.  
H411, Toxic to aquatic life with long lasting effects

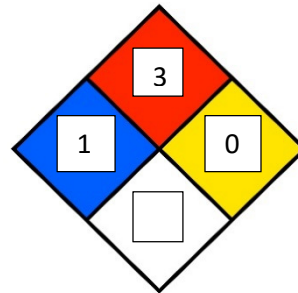
Precautionary Statements:

P210, Keep away from heat/sparks/open flames/hot surfaces.- No smoking  
P233, Keep container tightly closed

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HMIS Classification:

P240, Ground/bond container and receiving equipment  
P241, Use explosion-proof electrical/ventilating/lighting/  
equipment  
P242, Use only non-sparking tools  
P243, Take precautionary measures against static discharge.  
P260, Do not breathe dust/fumes/gas/mist/vapors/spray  
P261, Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264, Wash thoroughly after handling  
P271, Use only outdoors or in well-ventilated area.  
P273, Avoid release to the environment.



NFPA Rating:

<b>Health</b>	1
<b>Fire</b>	3
<b>Reactivity</b>	0
Personal Protection	B

Potential Health Effects: N/A

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>Concentration</u>
n-Hexane	110-54-3	<70%
Isopropyl Alcohol	67-63-0	<20%

Synonyms:

### 4. FIRST AID MEASURES

Product: High Purity Cleaner 2

If Inhaled:	If inhaled, move person into fresh air and keep at rest in a position comfortable for breathing. Call POISON Center or doctor/physician.
Skin Contact:	If on SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	If in EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If Ingested:	If SWALLOWED: Immediately call a poison center or doctor/physician.

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## **5. FIREFIGHTING MEASURES**

Extinguishing Media:	Use water-spray, alcohol resistant foam, dry chemical, or carbon dioxide
Hazardous Combustion Products:	Firefighting personnel should respond with appropriate protective clothing, firefighting gear, and breathing equipment as trained.
Special Protective Equipment for Firefighters:	In fire conditions: a complex mixture of airborne solids, liquids, and gases including Carbon Monoxide, Carbon Dioxide, and unidentified organic compounds.

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## **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions:	Use personal protective equipment. Always ensure adequate ventilation.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into environment must be avoided.
Containment and Clean Up:	Soak up with inert absorbent material and dispose of. Keep in suitable, closed containers for disposal.

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## **7. HANDLING AND STORAGE**

Safe Handling:	Keep away from flames and hot surfaces. Use personal protective equipment. Always ensure adequate ventilation.
Safe Storage:	Keep containers tightly closed in a dry well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials. Do not freeze.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Product: High Purity Cleaner 2

## Exposure Limits

Component	CAS Number	Exposure Limit	Basis
n-Hexane	110-54-3	50 ppm	ACGIH
Isopropyl Alcohol	67-63-0	400 ppm	ACGIH

**General Controls:** Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

## Personal Protective Equipment

**Eye Protection:** Tightly fitting safety glasses or goggles should be sufficient. Have eye-wash stations available where eye contact can occur.

**Hand Protection:** Handle with chemical resistant gloves. Gloves must be inspected prior to use. Wash and dry hands after use.

**Skin Protection:** Wear long sleeves, a chemical apron, or other protective clothing to prevent skin contact. Safety showers should be located in work area where skin contact can occur.

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate, use a NIOSH-approved full face respirator with appropriate cartridges. Always ensure adequate ventilation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear
Odor:	Slight petroleum
Odor Threshold:	N/A
pH:	No data
Melting/Freezing Point:	-95° C
Boiling Point:	68° C
Flash Point:	-22°C
Evaporation Rate:	No data
Flammability (Solid, Gas):	No data
Flammability/Explosion Limits:	No data
Vapor Pressure @ 20°C:	124 mm Hg
Vapor Density:	No data
Specific Gravity:	.67
Density:	5.6 lbs. per gallon
Solubility in Water:	Insoluble
Partition Coefficient:	No data
Auto Ignition Temperature:	225° C

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Decomposition Temperature:	No data
Viscosity @ 40°C:	No data

## 10. STABILITY AND REACTIVITY

Chemical Stability:	Highly flammable liquid and vapor
Conditions and Materials to Avoid:	Ignition sources, strong oxidizers
Hazardous Decomposition Products:	Carbon monoxide

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
n-Hexane	110-54-3	Dermal LD50	3000 mg/kg
		Inhalation LC50	48000 ppm
Isopropyl Alcohol	67-63-0	Oral LD50	5045 mg/kg (rat)
		Dermal LD50	12800 mg/kg (rabbit)
		Inhalation LC50/4 h	30 mg/l (rat)
		LC50/96 h	9640 mg/l (pimephales)

Potential Health Effects

Inhalation:	May cause drowsiness and dizziness
Skin:	Causes skin irritation
Eyes:	Not classifies
Ingestion:	May be fatal if swallowed and enters airways
Signs and Symptoms of Exposure:	Drowsiness and dizziness
Chronic Effects of Long Term Exposure:	May cause damage to organs
Carcinogenicity:	Not classified

## 12. ECOLOGICAL INFORMATION

Acute Ecotoxicity: Toxic to aquatic life with long lasting effects

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<b>Component</b>	<b>CAS Number</b>	<b>Organism</b>	<b>Ecotoxicity</b>
n-hexane	110-54-3	Fish	2.1-2.98 mg/l

## Ecological Effects

Persistence and Degradability:	May cause long term adverse effects in the environment
Bioaccumulation Potential:	Not established
Mobility in Soil:	No data
Other Adverse Effects:	Avoid release to the environment

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## 13. DISPOSAL CONSIDERATIONS

Disposal:	Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region.
Contaminated Packaging:	Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### DOT Information

Proper Shipping Name:	Petroleum distillates, N.O.S.,
UN Number:	UN1268
Hazard Class:	3
Packing Group:	II
Reportable Quantity (RQ):	5000 lbs.
Marine Pollutant:	No
Note:	

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## 15. REGULATORY INFORMATION

Product: High Purity Cleaner 2

## US Federal

SARA 302 Components: None  
SARA 311/312 Hazards: Immediate acute health hazard, fire  
SARA 313 Components: No  
TSCA Inventory: Yes

## European Union

EC Inventory: Listed

## State Regulations

Utah Clean Air: Yes  
California Prop 65: No  
C.A.R.B.: Yes

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## 16. OTHER INFORMATION

SDS Version: 1.0  
Revision Date: 05/05/2015  
Supercedes: New to GHS

### **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 the 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.

NuTech Specialites, Inc.

**Validated on:**

Product: High Purity Cleaner 2