

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: NTS Penetrating Oil  
Description: Solvent Blend  
Product Code: NTN PO  
Suggested Use: Penetrating Lubricant  
Restrictions on Use: None

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: Aspiration hazard, 1  
Flammable liquids, 4

### GHS Label Elements

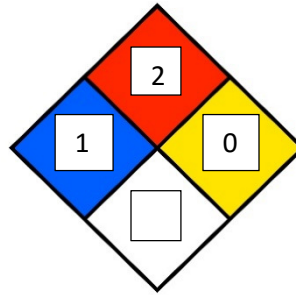
Pictogram:



Signal Word: Danger  
Hazard Statements: H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.

Precautionary Statements: P210 Keep away from heat/heats/open flames/hot surfaces.  
No Smoking  
P280 Wear protective gloves/protective clothing/eye protection/face protection

HMIS Classification:



NFPA Rating:

Health	1
Fire	2
Reactivity	0
Personal Protection	C

Potential Health Effects:

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
C-12-C14 Isoalkalanes	68551-19-9	65-85%
Mineral Seal Oil	64742-46-7	5%

Synonyms:

### 4. FIRST AID MEASURES

If Inhaled:	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if symptoms are experienced
Skin Contact:	Flush skin with plenty of water. Remove contaminated clothing and shoes. If irritation persists, consult a physician.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if able to do so. Immediately call a doctor or physician.
If Ingested:	If swallowed immediately call a poison center or doctor/physician. Do not induce vomiting unless instructed to do so by physician. Never give

Product: NTS Penetrating Oil

anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.

## 5. FIREFIGHTING MEASURES

Extinguishing Media:	In case of fire use dry sand, dry chemical or alcohol-resistant foam for extinction
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.

## 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.

## 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

Component	CAS Number	Exposure Limit	Basis
C-12-C14 Isoalkalanes	68551-19-9	1200 mg/m <sup>3</sup>	Manuf

Product: NTS Penetrating Oil

**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. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

## 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:	Mild, Hydrocarbon/solvent
Odor Threshold:	N/A
pH:	7
Melting/Freezing Point:	N/A
Boiling Point:	217-246°C (423-475°F)
Flash Point:	>79.4°C (>174.9°F)
Evaporation Rate:	.001
Flammability (Solid, Gas):	N/A
Flammability/Explosion Limits:	No Data Available
Vapor Pressure @ 20°C:	No Data Available
Vapor Density:	3 (Air=1.0)
Specific Gravity:	N/A
Density:	.78, 15.6°C (60.1°F)
Solubility in Water:	Negligible
Partition Coefficient:	N/A
Auto Ignition Temperature:	N/A

Product: NTS Penetrating Oil

Decomposition Temperature:	No Data Available
Viscosity @ 40°C:	No Data Available

## 10. STABILITY AND REACTIVITY

Chemical Stability:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions and Materials to Avoid:	Heat, Flames and sparks
Hazardous Decomposition Products:	Carbon Dioxide, Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity- Not determined

Component	CAS Number	Test	Toxicity
C-12-C14 Isoalkalanes	68551-19-9	Oral LD50 (rat)	>5000 mg/kg
		Inhalation LC50	>5.3 mg//L 4/hr
		Dermal LD50 (rat)	No Skin irritation

Potential Health Effects

Inhalation:	
Skin:	Not a skin irritant
Eyes:	Not an eye irritant
Ingestion:	May be fatal if swallowed and enters airways
Signs and Symptoms of Exposure:	Drowsiness and dizziness
Chronic Effects of Long Term Exposure:	No determined
Carcinogenicity:	Not classified

## 12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
C-12-C14 Isoalkalanes	68551-19-9	Non Classified	

Product: NTS Penetrating Oil

## Ecological Effects

Persistence and Degradability: Expected to be biodegradeable  
Bioaccumulation Potential: N/A  
Mobility in Soil: N/A  
Other Adverse Effects: N/A

---

## 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.

---

## 14. TRANSPORT INFORMATION

DOT Information: Not considered hazardous

Proper Shipping Name:  
UN Number:  
Hazard Class:  
Packing Group:  
Reportable Quantity (RQ):  
Marine Pollutant:  
Note:

---

## 15. REGULATORY INFORMATION

### US Federal

SARA 302 Components: No  
SARA 311/312 Hazards: No  
SARA 313 Components: No  
TSCA Inventory: Yes

Product: NTS Penetrating Oil

## **European Union**

EC Inventory:

## **State Regulations**

Utah Clean Air:           No

---

## **16. OTHER INFORMATION**

SDS Version:           1.0  
Revision Date:        04/01/2016  
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:    NTS Penetrating Oil