

Issue Date: 06-Apr-2015

Revision Date: 05-Sept-2017

Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Trapper Grease Solvent

**Other means of identification**

**SDS #**

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Universal solvent.

**Details of the supplier of the safety data sheet**

**Supplier Address**

North Woods®  
4415 S Taylor Dr.  
Sheboygan, WI 53081  
www.northwoodstm.com

**Emergency Telephone Number**

**Company Phone Number** 800-242-7694 (to reorder)  
**Emergency Telephone (24 hr)** INFOTRAC 1-800-535-5053 (North America)

## HAZARDS IDENTIFICATION

**Appearance** Clear, pale, amber liquid      **Physical State** Liquid      **Odor** Citrus

**Classification**

Skin corrosion/irritation	Category 2
Skin sensitization	Category 1
Flammable Liquids	Category 3

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed  
May be harmful in contact with skin

**Signal Word**

**Warning**

**Hazard Statements**

Causes skin irritation  
May cause an allergic skin reaction  
Flammable liquid and vapor



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 If skin irritation or rash occurs: Get medical advice/attention  
 IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Very toxic to aquatic life with long lasting effects

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS No	Weight-%
d-Limonene	5989-27-5	20-50

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

<b>4. FIRST-AID MEASURES</b>
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**First Aid Measures**

<b>Eye Contact</b>	Immediately flush with plenty of cool water for at least 15 minutes. Get prompt medical attention.
<b>Skin Contact</b>	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.
<b>Ingestion</b>	Do not induce vomiting. Get medical attention immediately. If vomiting occurs, have victim lean forward to reduce risk of aspiration.

**Most important symptoms and effects**

<b>Symptoms</b>	May be harmful if swallowed. May be harmful in contact with skin. Causes skin irritation. May cause an allergic skin reaction. May cause serious eye irritation. Breathing vapors may irritate nose, throat and lungs.
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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** Do not use water except as a mist or foam as it may spread the burning material.

**Specific Hazards Arising from the Chemical**

Rags soaked with this product may spontaneously ignite; to avoid this danger, used rags should be soaked with water and/or stored in a container full of soapy water. In a fire, closed containers of this product may burst or rupture due to pressure build-up, greatly increasing fire hazard.

**Hazardous Combustion Products** When strongly heated, as in a fire, this product may produce oxides of carbon.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. All containers should be cooled with water to prevent vapor pressure build up.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Small spills: Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly. Large spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store in a well-ventilated place. Keep cool. Keep containers tightly closed when not in use.

**Incompatible Materials** Oxidizing agents such as bleach; Strong acids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### **Appropriate engineering controls**

**Engineering Controls** Mechanical ventilation recommended when handling in enclosed, tight spaces.

### **Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses or safety goggles are recommended.

**Skin and Body Protection** Chemical resistant gloves are recommended.

**Respiratory Protection** None required if good ventilation is maintained.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Citrus
<b>Appearance</b>	Clear, pale, amber liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Pale amber		

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
pH	Not available	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	175 °C / 347 °F	
Flash Point	47-52 °C / 115-125 °F	Tag Closed Cup
Evaporation Rate	<1	(BA=1)
Flammability (Solid, Gas)	Liquid-Not applicable	
Upper Flammability Limits	6.1%	
Lower Flammability Limit	0.7%	
Vapor Pressure	1 mmHg	
Vapor Density	4.7	(Air=1)
Specific Gravity	0.872	(Water = 1)
Water Solubility	Miscible in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content	<51%	

## 10. STABILITY AND REACTIVITY

### **Reactivity**

Not reactive under normal conditions.

### **Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Incompatible Materials. Heat, flames and sparks.

**Incompatible Materials**

Oxidizing agents such as bleach; Strong acids.

**Hazardous Decomposition Products**

When strongly heated, as in a fire, this product may produce oxides of carbon.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Causes skin irritation.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Ingestion</b>	May be harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
d-Limonene 5989-27-5	= 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Alcohol Ethoxylate 68439-46-3	= 1400 mg/kg ( Rat ) = 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** May cause an allergic skin reaction.

**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Not determined.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
d-Limonene 5989-27-5	Toxic

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

<b>UN/ID No</b>	UN2319
<b>Proper Shipping Name</b>	Terpene hydrocarbons, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**IATA**

<b>UN/ID No</b>	UN2319
<b>Proper Shipping Name</b>	Terpene hydrocarbons, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**IMDG**

<b>UN/ID No</b>	UN2319
<b>Proper Shipping Name</b>	Terpene hydrocarbons, n.o.s.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Marine Pollutant</b>	This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
d-Limonene	Present	X		Present		Present	X	Present	X	X

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations****California Proposition 65**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated under applicable state right-to-know regulations

**16. OTHER INFORMATION**

<u>NFPA</u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
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**Issue Date:** 06-Apr-2015  
**Revision Date:** 05-Sept-2017  
**Revision Note:** New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet