

# Safety Data Sheet

Issue Date: 05-Nov-2013

Revision Date: 13-Nov-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name Trust-it

### Other means of identification

SDS # SJJ-020

UN/ID No UN2052

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

Recommended Use Degreaser

### Details of the supplier of the safety data sheet

#### Supplier Address

Smith & Jones Janitorial  
1 Biloxi Sq.  
W. Columbia, SC 29170

### Emergency Telephone Number

Company Phone Number 1-803-822-8500  
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Appearance 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

### Signal Word

Danger

### 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 skin irritation or rash occurs: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
D-Limonene	5989-27-5	85-95

\*\*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.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>General Advice</b>	Provide this SDS to medical personnel for treatment.
<b>Eye Contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
<b>Skin Contact</b>	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	If affected, move individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and seek immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting. Drink large volumes of milk or water. Immediate medical attention is required.

**Most important symptoms and effects**

<b>Symptoms</b>	Burning and/or irritation to eyes and skin. May cause irritation to the mucous membranes and upper respiratory tract. Prolonged or repeated skin contact may result in dermatitis (red, dry skin).
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	May cause sensitization by skin contact.
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<b>5. FIRE-FIGHTING MEASURES</b>
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**Suitable Extinguishing Media**

Carbon dioxide, dry chemical, water fog, foam.

**Unsuitable Extinguishing Media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific Hazards Arising from the Chemical**

Product is flammable. Vapors are heavier than air and may accumulate in low areas or areas inadequately ventilated. Vapors may also travel along the ground to be ignited at location distant from handling site; flashback of flame to handling site may occur. Never use welding or cutting torch on or near drum (even empty), because product (even just residue) can ignite explosively. Closed containers may explode due to buildup of pressure when exposed to extreme heat. Use water to keep fire-exposed structures and container cool.

**Hazardous Combustion Products** Carbon oxides.

**Sensitivity to Static Discharge** Take precautionary measures against static discharge.

**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.

<b>6. ACCIDENTAL RELEASE MEASURES</b>
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**Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate personnel to safe areas. Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Environmental Precautions</b>	Dike spill and prevent spill from entering sewers and waterways. See Section 12 for additional Ecological Information.

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

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so. Contain and soak up with inert absorbent material.
<b>Methods for Clean-Up</b>	Use clean non-sparking tools to collect absorbed material. Small Spill: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material.  Large Spill: Eliminate all ignition sources (flares, flames, including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dyke area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.

<b>7. HANDLING AND STORAGE</b>
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**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. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing vapors or mists. Use only with adequate ventilation. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Keep container tightly closed. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Use with due care according to label instructions and precautions.

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

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep out of the reach of children. Store locked up.

**Packaging Materials**

Always store unused portion in original container with cap secured.

**Incompatible Materials**

Strong oxidizers.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines****Appropriate engineering controls****Engineering Controls**

Provide sufficient mechanical ventilation to maintain exposure below TLV(s). Mechanical ventilation or local exhaust ventilation if available. Emergency eye wash stations and showers should be available within the work area.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Chemical goggles in compliance with OSHA regulations.

**Skin and Body Protection**

Nonporous rubber gloves prolonged use.

**Respiratory Protection**

Ventilate by opening all doors and windows. If exposure above the TLV or PEL require a NIOSH approved respirator equipped for the exposure or suitable respiratory protection per 29 CFR 1910.134 is required. High vapor or mist concentrations may require a NIOSH approved organic vapor respirator.

**General Hygiene Considerations** Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties****Physical State**

Liquid

**Appearance**

Amber liquid

**Odor**

Citrus

**Color**

Amber

**Odor Threshold**

Not determined

**Property**

**The physical properties listed below Remarks • Method are for Mineral Spirits**

**pH**

4.0-6.0 (10% emulsion)

**Melting Point/Freezing Point**

Not determined

**Boiling Point/Boiling Range**

177.77 °C / 352 °F

**Flash Point**

48.88 °C / 120 °F

(Seta Closed Cup)

<b>Evaporation Rate</b>	< 1	(Water = 1)
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	6.1%	
<b>Lower Flammability Limit</b>	0.7%	
<b>Vapor Pressure</b>	1 mm Hg	@ 20°C (68°F)
<b>Vapor Density</b>	4.69	(Air=1)
<b>Specific Gravity</b>	0.841	@ 25 °C (77 °F)
<b>Water Solubility</b>	Emulsifies; Soluble only in trace quantities	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	
<b>Additional Information</b>	Volatile by volume 93%	

## 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.

#### **Hazardous Polymerization**

Hazardous polymerization may occur. Polymerization catalysts such as aluminum chloride should be avoided.

### Conditions to Avoid

Excessive heat and fire.

### Incompatible Materials

Strong oxidizers.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

#### **Eye Contact**

Direct contact with eyes may cause temporary irritation.

#### **Skin Contact**

Causes skin irritation. May cause an allergic skin reaction. Prolonged contact may cause redness and irritation.

#### **Inhalation**

May cause irritation to the mucous membranes and upper respiratory tract.

#### **Ingestion**

May be harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
D-Limonene 5989-27-5	-	> 5 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** Carcinogenic potential is unknown.

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene 5989-27-5		Group 3		X

*IARC (International Agency for Research on Cancer)*

*Group 3 IARC components are "not classifiable as human carcinogens"*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

**Aspiration hazard** May be fatal if swallowed and enters airways.

### Numerical measures of toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
D-Limonene 5989-27-5		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50		

### Persistence/Degradability

Not determined.

### Bioaccumulation

Not determined.

### Mobility

Not determined

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

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**

UN/ID No	UN2052
Proper Shipping Name	Dipentene
Hazard Class	3
Packing Group	III

**IATA**

UN/ID No	UN2052
Proper Shipping Name	Dipentene
Hazard Class	3
Packing Group	III

**IMDG**

UN/ID No	UN2052
Proper Shipping Name	Dipentene
Hazard Class	3
Packing Group	III
Marine Pollutant	This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

## 15. REGULATORY INFORMATION

**International Inventories**

Not determined

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - 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*

**US Federal Regulations****SARA 313**

Not determined

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

<b>16. OTHER INFORMATION</b>
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<b><u>NEPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	2	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	2	2	0	Not determined

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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**