

# Roper Thermals

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## Material Safety Data Sheet

Revision Date 6/5/2014



### 1. Product and Company Identification

Product name: Technical Octadecane

Company: Roper Thermals  
26B Nod Pl  
Clinton, CT 06413

Telephone: (860) 669-6108  
Fax: (860) 669-6233

Emergency Number: (800) 424-9300 CHEMTREC (24hr Emergency Telephone)

### 2. Hazard(s) Identification

#### Emergency Overview

OSHA Hazards: No known OSHA hazards

#### HMIS Classification

Health hazard: 1  
Flammability: 1  
Physical hazards: 0

#### NFPA Rating

Health hazard: 1  
Fire: 1  
Reactivity Hazard: 0

#### Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.  
Skin: May be harmful if absorbed through skin. May cause skin irritation.  
Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

### 3. Composition/Information on Ingredients

Composition:

Name	CAS #	% by Weight
Octadecane	593-45-3	91-95
Eicosane	112-95-8	0.5-2
Hexadecane	544-76-3	0.5-2

Toxicological Data on Ingredients: N/A

### 4. First-Aid Measures

If inhaled: Move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Flush eyes with water as a precaution.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water

### 5. Fire-Fighting Measures

**Extinguisher Media:** Use dry chemical powder, CO<sub>2</sub> or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Material will float on water. Use of Water on burning material may spread fire

**Special Remarks on Explosion Hazards:** None

### 6. Accidental Release Measures

**Personal precautions:**

Avoid breathing vapors, mist or gas.

**Environmental precautions:**

Do not let product enter drains.

**Methods and materials for containment and cleaning up:**

Sweep up and shovel. Keep in suitable, closed containers for disposal

## 7. Handling and Storage

### Precautions:

When molten this material may reach high temperatures without visible fumes or strong odor. Keep away from heat or open flame.

### Storage:

Store in closed containers away from heat or flames. Keep container cool and dry.

## 8. Exposure Controls/Personal Protection

**Contains no substances with occupational exposure limit values.**

### Personal protective equipment:

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

## 9. Physical and Chemical Properties

**Appearance:** White Solid/slight waxy odor

**Safety Data:**

pH:	no data available
Melting point:	26.9 – 27.5 °C (80.5-81.5 °F) - lit.
Boiling point:	317 °C (603 °F) at 40 hPa (30 mmHg) - lit.
Flash point	> 165.6 °C (> 330 °F) - closed cup
Ignition temperature	>204°C (>400°F)
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available
Density	0.777 g/cm <sup>3</sup> at 25 °C (77°F)
Vapor Pressure	1 mmHg at 119°C (247°F)

**10. Stability and Reactivity**

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Not available.

**Incompatibility with various substances:** Slightly reactive to reactive with oxidizing agents.

**Special Remarks on Reactivity:** Not available.

**Corrosivity:** Not available.

**Polymerization:** No.

**11. Toxicological Information**

**Acute toxicity:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure (GHS):** no data available

**Specific target organ toxicity - repeated exposure (GHS):** no data available

**Aspiration hazard:** no data available

**Potential health effects**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

**12. Ecological Information**

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

**PBT and vPvB assessment:** no data available

**Other adverse effects:** no data available

**13. Disposal considerations**

**Waste Disposal:** Offer surplus and non-recyclable solutions to a licensed disposal company

## 14. Transport information

<b>DOT (US):</b>	Not dangerous goods
<b>IMDG:</b>	Not dangerous goods
<b>IATA:</b>	Not dangerous good

## 15. Regulatory information

**OSHA Hazards:** No known OSHA hazards

**DSL Status:** All components of this product are on the Canadian DSL list.

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** No SARA Hazards

**Europe REACH :** On the inventory, or in compliance with the inventory

**United States of America TSCA :** On the inventory, or in compliance with the inventory

**Australia AICS :** On the inventory, or in compliance with the inventory

**New Zealand NZIoC :** On the inventory, or in compliance with the inventory

**Japan ENCS :** On the inventory, or in compliance with the inventory

**Korea KECI :** On the inventory, or in compliance with the inventory

**Philippines PICCS :** On the inventory, or in compliance with the inventory

**China IECSC :** On the inventory, or in compliance with the inventory

**Massachusetts Right To Know Components:** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know Components:**

Octadecane	CAS-No. 593-45-3
Eicosane	CAS-No. 112-95-8
Hexadecane	CAS-No. 544-76-3

**New Jersey Right To Know Components:**

Octadecane	CAS-No. 593-45-3
Eicosane	CAS-No. 112-95-8
Hexadecane	CAS-No. 544-76-3

**California Prop. 65 Components :** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

## 16. Other information