

Roper Thermals

Safety Data Sheet

Revision Date 6/1/2017

1. Product and Company Identification

Product name: Technical Octadecane

CAS#: 593-45-3

Identified Uses of the substance or mixture and uses advised against:

Laboratory chemicals, Manufacture of substances, Industrial intermediate

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

Classification of the substance

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H304 Aspiration hazard (Category 1),

H315 Causes skin irritation.

GHS Label elements, including precautionary statements

Pictogram



Signal word: Warning

Hazard statement(s)

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation.

Precautionary statement(s)

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC) or not covered by GHS

Repeated exposure may cause skin dryness or cracking.

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 #	EC#	% by Weight
Octadecane	593-45-3	209-790-3	91-95
Eicosane	112-95-8	204-018-1	0.5-2
Hexadecane	544-76-3	208-878-9	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, CO₂ 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
Odor:	Slight waxy odor
pH:	no data available
Melting point/ Freezing point:	26.9 – 27.5 °C (80.5-81.5 °F) - lit.
Boiling point:	317 °C (603 °F) at 40 hPa (30 mmHg) - lit.
Evaporation rate:	no data available
Flash point:	> 165.6 °C (> 330 °F) - closed cup
Auto-ignition Temperature:	>204°C (>400°F)
Flammability (solid,gas)	no data available
Decomposition Temperature:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Water solubility:	no data available
Density:	0.777 g/cm ³ at 25°C (77°F)
Viscosity:	no data available
Vapor Pressure:	1 mmHg at 119°C (247°F)
Relative vapor density:	8.78 – (Air = 1.0)

Partition coefficient: log Pow: 9.18 (calculated)
(n-octanol/water)

10. Stability and Reactivity

Stability: The product is stable

Conditions to avoid: Can form explosive mixtures with air upon intense heating

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

Hazardous decomposition products: No information available

Instability Temperature: Not available

Conditions of Instability: Not available

Special Remarks on Reactivity: Not available

Corrosivity: Not available

Polymerization: No

11. Toxicological Information

Likely rout of exposure: Eye contact, Skin Contact

Acute toxicity: no data available

Skin irritation: repeated exposure may cause skin dryness or cracking

Aspiration hazard: Prolonged aspiration may cause pulmonary edema and pneumonitis

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

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: 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 KECl : 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

Revision Date 6/1/2015

HMIS Classification

Health hazard: 1
Flammability: 1
Physical hazards: 0

NFPA Rating

Health hazard: 1
Fire: 1
Reactivity Hazard: 0

