

Steele Body Cooling Vests

Material Safety Data Sheet

Revision Date 10/24/2012



Health	1
Fire	1
Reactivity	0
Personal Protection	E

1. Product and Company Identification

Product name: Hexadecane

Company: Steele & Associates, Inc.
P.O. Box 7304
Kingston, WA 98346

Telephone: (888) 783-3538
Fax: (360) 297-2816

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
Hexadecane	544-76-3	> 99.0

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:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

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: Colorless Liquid

Odor: Slight waxy odor

Safety Data:

pH: no data available

Melting point: 18°C (64°F)

Boiling point: 287°C (549°F)

Flash point 135°C (275°F) - closed cup

Ignition temperature 202°C (396°F)

Lower explosion limit no data available

Upper explosion limit no data available

Water solubility no data available

Density 0.773 g/cm³ at 25 °C (77 °F)

Vapor pressure 1hPa (1mmHg) at 105.3°C (221.5 °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 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

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 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: Hexadecane CAS-No. 544-76-3

New Jersey Right To Know Components: 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