

## **Blockade heat defense serum - Safety Data Sheet (SDS)**

### **Section 1 – Product and Company Identification**

**Product Trade Name:** Blockade heat defense serum

**Recommended Use:** Hair care

**Hazmat Service Emergency Number:** 972-523583798

### **Section 2 – Hazard(s) Identification**

**Classification of the substance or mixture:** Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:**

Flammable liquids - Category 4

**Label elements:**



**Hazard pictograms**

**Signal word:** Warning

**Hazard statements:** H227 Combustible liquid

**Precautionary statements**

**Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces.

No smoking.

P261 Avoid breathing spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

### Section 3 – Composition/Information on Ingredients

Component name (CAS)	%	Classification
Cyclopentasiloxane (541-02-6)	60-70	H227 Combustible liquid
Dimethicone (9006-65-9)	25-35	Not classified
Hippophae rhamnoides oil	2-4	Not classified
Argania spinosa kernel oil (223747-87-3)	2-4	Not classified
Perfume	1-3	Not classified

### Section 4 – First Aid Measures

**Take precautions to ensure your own health and safety before responding/providing first aid.**

#### Eye

flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

Chemical burns must be treated promptly by a physician.

#### Skin

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes.

Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly

by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Inhalation

victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting

occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

## Section 5 – Fire-Fighting Measures

**Extinguishing Media:** Water spray, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical.

**Unsuitable extinguishing Media:** High volume water jet.

**Specific hazards during firefighting:** Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health. Fire burns more vigorously than would be expected.

**Hazardous combustion products:** Carbon oxides, Silicon oxides, Formaldehyde.

**Specific extinguishing methods:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

**Special protective equipment for fire-fighters:** Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

## Section 6 – Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up.

**Environmental precautions:** Ecological injuries are not known or expected under normal use.

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

Ventilate the area. Prevent further leakage or spillage if safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Sweep up or vacuum up spillage and collect in suitable container for disposal. For waste disposal, see Section 13 of the SDS. Contact the proper local authorities.

## Section 7 – Handling and Storage

**Advice on safe handling:** Avoid inhalation of vapor or mist.

Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Keep away from heat and sources of ignition.

Take precautionary measures against static discharges.  
Take care to prevent spills, waste and minimize release to the environment.

**Conditions for safe storage:** Keep in properly labeled containers.  
Keep tightly closed. Keep in a cool, well-ventilated place.  
Store in accordance with the particular national regulations.  
Keep away from heat and sources of ignition.

**Materials to avoid:** Do not store with the following product types:  
Strong oxidizing agents  
Explosives  
Gases.

## Section 8 – Exposure Controls and Personal Protection

**Personal protective equipment Respiratory protection:** General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection Remarks:** Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Take note that the product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.

**Eye protection:** Wear the following personal protective equipment: Safety glasses

**Skin and body protection:** Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.

Wear the following personal protective equipment: Flame retardant antistatic protective clothing.

Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

**Hygiene measures:** Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

## Section 9 – Physical and Chemical Properties

**Appearance:** Clear oily viscous liquid

**Odor:** according to formula

**Color:** Transparent to light yellow

**pH:** N.A

**Melting Point/Freezing Point:** Not determined

**Initial Boiling Point and Boiling Range:** Not determined

**Flash Point:** Not determined

**Evaporation Rate:** Not determined

**Flammability (solid, gas):** Not determined

**Upper/Lower Flammability or Explosive Limits:** Not determined

**Vapor Pressure:** Not determined

**Vapor Density:** Not determined

**Relative Density:** Not determined

**Solubility:** Not determined

**Partition Coefficient:** Not determined

**Auto-ignition Temperature:** Not determined

**Decomposition Temperature:** Not determined

**Viscosity:** 533 - 666 cP

## **Section 10 – Stability and Reactivity**

**Stability:** Stable under ordinary conditions of use and storage.

**Conditions to avoid:** Heat, flames and sparks.

**Materials to avoid:** Store away from oxidizing agents.

**Hazardous Decomposition:** Thermal decomposition: Formaldehyde

## Section 11 – Toxicology Information

### Cyclopentasiloxane

Acute inhalation toxicity:

LC50 (Rat): 8.67 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhalation toxicity

Remarks: On basis of test data

## Section 12 – Ecological Information

Ecological data is not available.

## Section 13 – Disposal Recommendations

**Handling for Disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of Disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulations.

**RCRA:** If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

## Section 14 – Transport Information

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number: NA 1993

Proper shipping name: Combustible liquid, n.o.s.

(Decamethylcyclopentasiloxane, Dodecamethyl cyclohex-asiloxane)

Class: CBL

Packing group: III

Labels: None

ERG Code: 128

Marine pollutant: no

Remarks:

Above applies only to containers over 119 gallons or 450 li-ters. Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

## Section 15 – Regulatory Information

### Toxic Substance Control Act (TSCA)

Chemical ingredients are on the TSCA Inventory or exempt.

### Superfund Reportable Quantity (RQ)

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

### Sara Title III (section 311/312)

Flammable (gases, aerosols, liquids, or solids)

### Sara Title III (section 313)

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.

## Section 16 – Other Information

Effective Date: November 2019

Revision: 02

All chemicals may be unknown hazards and should be used with cautions. This safety data sheet (MSDS) applies only to the materials as packaged. If this product is combined with other materials, deteriorates, it may become contaminated, or it could pose hazards not mentioned in this MSDS. In such cases, it shall be the users responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and protection of the environment.