

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date:20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

## Section 1 Chemical Product and Company Identification

**Chemical name:** Sea Foam High Mileage

**Additional identification:** Not available

**Product code:** HM16

**Identification of the product:** See section 3

**Relevant identified uses of the substance and uses advised against**

**Identified uses:** Fuel system treatment

**Uses advised against:** Not available

**Details of the supplier of the safety data sheet**

**Name:** Sea Foam International, Inc.

**Address:** 812 Burlington Drive, Suite 100 Bismarck, ND USA 58504

**Contact person(E-mail):** -

**Telephone:** +1(701)751-7363

**Fax:** -

**Emergency telephone Number(24h):** National emergency contact for chemicals (agreement signed): 0532-83889090

## Section 2 Hazards Identification

**Emergency Overview:** Clear liquid with typical odor. Flammable liquid and vapor. May be ignited by open flame. Vapors are heavier than Air and collect in confined and low-lying areas. The product is insoluble and floats on water. The pressure in sealed containers can increase under the influence of heat. Hazardous combustion products: Carbon oxides; Nitrogen oxides (NOx); Sulphur oxides; Other unidentified organic compounds; irritating fumes and smoke. Causes serious eye irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.

**GHS Classification:**

<b>Physical hazards</b>	Flammable liquid	Category 3
<b>Health hazards</b>	Serious eye damage/eye irritation	Category 2A
	Specific target organ toxicity - single exposure	Category 3
	Aspiration toxicity	Category 1
<b>Environmental hazards</b>	Not classified	

**Label elements**

**Pictogram:**



**Signal Word(s):** Danger

**Hazard Statement:** Flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness and dizziness.  
May be fatal if swallowed and enters airways.

**Precautionary statement**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion-proof [electrical/ventilating/lighting ] equipment.

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date: 20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

<b>Response:</b>	Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor/... IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor/ if you feel unwell. DO NOT induce vomiting. If eye irritation persists: Get medical advice/attention. In case of fire: Use dry chemical, foam, carbon dioxide and water fog to extinguish.
<b>Storage:</b>	Store in a well-ventilated place. Keep cool. Store in a well-ventilated place. keep container tightly closed. Store locked up.
<b>Disposal:</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Physical and chemical hazards:</b>	Flammable liquid and vapor. May be ignited by open flame. Vapors are heavier than Air and collect in confined and low-lying areas. The product is insoluble and floats on water. The pressure in sealed containers can increase under the influence of heat. Hazardous combustion products: Carbon oxides; Nitrogen oxides (NOx); Sulphur oxides; Other unidentified organic compounds; irritating fumes and smoke.
<b>Health Hazards:</b>	Causes serious eye irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.
<b>Environmental hazards:</b>	The product has no obvious harm to the water environment.
<b>Other hazards:</b>	No.

## Section 3 Composition Information on Ingredients

Substance/Mixture/Article: Mixture

Ingredient(s):

Chemical Name	CAS No.	Concentration (%)
Hydrocarbon blend	N/A	< 95%
Isopropanol	67-63-0	< 25%

Undisclosed ingredients include: 1) non-hazard ingredients, and 2) ingredients which are below the cut-off value required by Section 3.3 of GB / T 17519.

## Section 4 First Aid Measures

In case of inhalation: Immediately remove person to fresh air. If breathing has stopped, give artificial

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date: 20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

	respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
<b>In case of skin contact:</b>	Immediately remove/take off all contaminated clothing. Wash exposed area thoroughly with soap and water for at least 15 minutes. If irritation or symptoms develop, seek medical attention.
<b>In case of eyes contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>In case of ingestion:</b>	Seek immediate medical attention/advice. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
<b>Most important symptoms and effects, both acute and delayed:</b>	Causes serious eye irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways.
<b>To protect playing rescuer advice and the special hints to the doctor:</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>Indication of any immediate medical attention and special treatment needed:</b>	Provide general supportive measures and treat symptomatically. In the event of shortness of breath, give oxygen. Keep the victim warm. Observe the patient. Symptoms may delay.

## Section 5 Fire-fighting Measures

### Extinguishing agent

**Suitable extinguishing media:**

Dry chemical, foam, carbon dioxide and water fog.

**Unsuitable extinguishing media:**

Do not use a solid water stream as it may scatter and spread fire.

### Special hazards:

Flammable liquid and vapor. May be ignited by open flame. Vapors are heavier than Air and collect in confined and low-lying areas. The product is insoluble and floats on water. The pressure in sealed containers can increase under the influence of heat. Hazardous combustion products: Carbon oxides; Nitrogen oxides (NOx); Sulphur oxides; Other unidentified organic compounds; irritating fumes and smoke.

### Special fire fighting methods and special protective actions for fire-fighters:

Firefighters should wear self-contained breathing apparatus, and wear full body fire service and extinguish fire in the windward direction. Remove the container from the fire to empty place as far as possible. Cool the container exposed to the fire with water and vent the vapors. Isolate the accident area, prohibit access to unrelated persons. Contain and handle fire water to prevent environmental pollution.

## Section 6 Accidental Release Measures

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

All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

### Environmental precautions:

Avoid release to the environment. In case of leakage into drainage system / aquatic environment, notify local authorities. Take measures to prevent further releases or spills while ensuring safety. Prevent spills from entering water, sewer, basement or limited space.

### Methods and materials for containment and

Ventilate the area. Remove all sources of ignition. Prevent further leakage or

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date: 20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

## cleaning up:

spillage if safe to do so. Use only non-sparking tools. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers. Contaminated absorbent material may pose the same hazards as the spilled product. Contact the proper local authorities

## Precautions to prevent the occurrence of secondary hazards:

Clean up spills immediately to prevent leaks again.

## Section 7 Handling and Storage

### Safe handling

**Local and general ventilation:**

Provide adequate ventilation.

**Safety instructions:**

Operators should follow the procedure and use the personal protective equipment recommended by the SDS section 8.

**Precautions:**

Keep away from open flames, hot surfaces and sources of ignition. In case of poor ventilation wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling and prohibit eating in the workplace. Handling products should be carefully unloading, to avoid damage to packaging and containers.

### Storage

**Suitable storage conditions:**

Store in a cool, dry, well-ventilated area. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking. Protect from sunlight. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

**Incompatible materials:**

Strong oxidizing agents; Acids; Caustics.

**Safe packaging materials:**

Keep it in the original container.

## Section 8 Exposure Controls / Personal Protection

**Occupational exposure limits:**

According to GBZ2.1,  
Isopropanol (CAS#67-63-0)  
- PC-TWA=350mg/m<sup>3</sup>, PC-STEL=700mg/m<sup>3</sup>.

**Biological limits:**

No standard has been established.

**Engineering controls:**

Ensure adequate ventilation. Make sure the workplace is equipped with a safe place to shower, clean eyes and body, and place for safe care.

**Personal protection equipment**

**Respiratory protection:**

If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised.

**Hand protection:**

Impervious gloves must be worn when using this product.

**Eye protection:**

Chemical safety glasses with side shields or splash proof goggles. A full-face shield may also be necessary.

**Skin and body protection:**

Wear long sleeved shirt and pants to minimize exposed skin.

**Hygiene measures:**

Avoid contact with eyes. Wash hands after handling. Do not eat and drink in the workplace.

## Section 9 Physical and Chemical Properties

**Appearance:**

Clear liquid

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date:20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

Odor:	Typical odor.
Odor threshold:	No data available
Molecular formula:	Not applicable
Molecular weight:	Not applicable
Melting point/freezing point (°C):	No data available
Boiling point, initial boiling point (°C):	68°C
Density:	No data available
Relative density(H <sub>2</sub> O=1):	0.819
Vapor pressure (20°C) (kPa):	No data available
Partition coefficient (n-octanol/water):	No data available
Solubility in water:	Insoluble
Solubility in organic solvents:	No data available
Flash point (°C):	24°C
Auto-ignition temperature (°C):	No data available
Flammability limit - lower (%):	No data available
Flammability limit - upper (%):	No data available
Decomposition temperature (°C):	No data available
Flammability (solid, gas):	No data available
Explosive properties	Not explosive
Explosive limit - lower (%):	No data available
Explosive limit - upper (%):	No data available
pH value:	No data available
Viscosity (mPa · S):	No data available
Relative vapor density (air=1):	>1
Relative evaporation rate (n-butyl acetate=1):	<1
VOC	367g/l

## Section 10 Stability and Reactivity

Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid heat and open flame. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents; Acids; Caustics.
Hazardous decomposition products:	Carbon oxides; Nitrogen oxides (NO <sub>x</sub> ); Sulphur oxides; Other unidentified organic compounds; irritating fumes and smoke.

## Section 11 Toxicological Information

### Acute toxicity

#### Isopropanol (CAS#67-63-0)

LD50(Oral, Rat):	5.84 g/kg
LD50(Dermal, Rabbit):	16.4 mL/kg bw
LC50(Inhalation, Rat):	Not available

Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date:20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified
<b>STOT- single exposure:</b>	May cause drowsiness and dizziness.
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	May be fatal if swallowed and enters airways.

## Section 12 Ecological Information

### Ecotoxicity

Isopropanol (CAS#67-63-0)

**LC50 (Fish, 96h)** 10 000 mg/L

**EC50 (Daphnia, 48h)** Not available

**EC50 (Algae, 72h):** Not available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

## Section 13 Disposal Considerations

**Residual waste** Recycling as much as possible. If recycling is not possible, use incineration methods for disposal. Do not dispose of this product by means of discharge to the sewer.

**Contaminated packaging** Empty containers or pads may retain some product residue, so beware of label warnings even when empty containers. These materials and their containers must be disposed of in a safe manner. Empty containers should be returned to the manufacturer or sent to a national / local approved waste disposal site.

**Local disposal regulations** Waste disposal should refer to the relevant national and local laws and regulations, the waste chemicals for recycling, or packed in sealed containers, to a special waste disposal sites.

## Section 14 Transport Information

<b>UN Number:</b>	UN1993
<b>UN Proper shipping name:</b>	FLAMMABLE LIQUID,N.O.S.(Hydrocarbon blend, Isopropanol)
<b>Transport hazard Class:</b>	3
<b>Packaging group:</b>	III
<b>Marine pollutant (yes/no):</b>	No

### Transport special precautions:

- Grounding chains should be equipped with tank or car during transportation, hole plate can be set in the tank to prevent static electricity generated by shaking;
- Exhaust pipe of the vehicle which transports this product shall be equipped with fireproofing equipment, Do not handle with the machinery or tools which may produce spark easily;
- Do not package or transport with oxidant, food chemicals or others;
- Prevent from sunlight exposure, rain and heat during transportation, in summer, best to transport in the morning or evening;

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date:20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

- Keep away from fire, heat source and high temperature when stops on the way;
- Follow the route as prescribed during highway transportation, do not stay in residential areas and densely populated area;
- Prohibit humping in railway transportation;
- Transport vehicles should be equipped with corresponding fire equipment and spill contingency processing equipment.

## 15.Regulatory Information

The following laws, regulations, rules and standards, provide corresponding provisions of the management of chemicals:

Name	Relevant Inventories	Listed Or Not
Measures On Safety Management Of Hazardous Chemicals	Inventory Of Hazardous Chemicals	Listed
	The First Batch Of Key Regulatory List Of Hazardous Chemicals	Isopropanol not listed, others unknown
Measures On New Substance Environmental Management	The Inventory Of Existing Chemical Substance In China	Isopropanol listed, others unknown
Provisions On Environmental Management Of First Import And Export Of Toxic Chemicals	China Strictly Restricted List Of Import And Export Of Toxic Chemicals	Isopropanol not listed, others unknown

## Section 16 Other Information

### Indication of changes:

Version 1.0 Amended by GB/T16483 and GB/T 17519.

### Abbreviations:

CAS: Chemical Abstracts Service

LC50: Lethal Concentration 50

EC50: Concentration for 50% of maximal effect

LD50: Lethal dose 50%

PC-TWA: time-weighted average allowable concentration, average allowable concentration in 8h working day, 40h work week.

PC-STEL: Short-Term Exposure Tolerance, the concentration allowed to be exposed in short-term (15 minutes).

IARC: International Agency for Research on Cancer

ACGIH: US Government Conference of Industrial Hygienists

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Dangerous Goods

EINECS: European Inventory of Existing commercial Chemical Substances

IATA: International Air Transport Association

ICAO-TI: International Civil Aviation Organization The International Civil Aviation Covenant

### Disclaimer:

The information in this Safety Data Sheet (SDS) applies only to the products specified and does not apply to mixtures containing this product with other substances, unless otherwise specified. This Safety Data Sheet (SDS) is based on information currently available in all its aspects and will not be held responsible for its long-term timeliness. This Safety Data Sheet (SDS) provides information about the safety of the product for the intended purpose only to appropriately trained personnel operating the product. Users of this SDS must make independent judgments on the suitability of this SDS for special conditions of use. Under special conditions of use, the SDS author will not be responsible for the damage caused by the use of this Safety Data Sheet (SDS). Each user of the product should read carefully the contents of this Safety Data Sheet (SDS) before proceeding. For more information to ensure correct evaluation, please contact the product supplier.

Author: Hangzhou REACH Technology Group Co., Ltd.

Tel:86-571-87206555

Email: info@cirs-group.com

# Safety Data Sheet

According to GB/T 16483-2008 and GB/T 17519-2013

Sea Foam High Mileage

Version 1.0

Issue date:20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151567

---