

Safety Data Sheet

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

Sea Foam Motor Treatment

Version 1.0

Issue date: 14/10/2022

Revision date: 14/10/2022

SDS Record Number: CSSS-TCO-010-152864

Section 1 Chemical Product and Company Identification

Chemical name: Sea Foam Motor Treatment

Additional identification: Not available

Product code: SF16CN

Identification of the product: See section 3

Relevant identified uses of the substance and uses advised against

Identified uses: Fuel system treatment. Use pattern: Consumer use; professional use.

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: Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to the nervous system through prolonged or repeated exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Combustion produces carbon oxides; Nitrogen oxides (NOx); Sulphur oxides; Other unidentified organic compounds; irritating fumes and smoke.

GHS Classification:

Physical hazards Flammable liquids Category 2

Health hazards Aspiration hazard Category 1

Eye damage/irritation Category 2A

Specific target organ toxicity (single exposure) Category 3

Environmental hazards Not classified

Label elements

Pictogram:



Signal Word(s): danger

Hazard Statement: Highly flammable liquid and vapour
May be fatal if swallowed and enters airways
Causes serious eye irritation
May cause drowsiness or dizziness

Precautionary statement

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

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Response:

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/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.

Storage:

Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Store locked up.

Disposal:

Dispose of contents/container in accordance with local regulation.

Physical and chemical hazards:

Highly flammable liquid and vapour.

Health Hazards:

May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to the nervous system through prolonged or repeated exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Environmental hazards:

The product has no obvious harm to the water environment.

Other hazards:

This product has not been found to have other hazards which are outside the scope of GB30000.2-29.

Section 3 Composition Information on Ingredients

Substance/Mixture/Article: Mixture

Ingredient(s):

Chemical Name	CAS No.	Concentration (%)
Hydrocarbon blend	-	< 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 respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.

In case of skin contact:

Wash with plenty of soapy water and water. In case of skin irritation, seek medical advice. Take off the contaminated clothes and wash them before reuse. Immediately remove/take off all contaminated clothing. Wash exposed area thoroughly with soap and water for at least 15 minutes. If irritation or symptoms

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In case of eyes contact:	develop, seek medical attention. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
In case of ingestion:	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.
Most important symptoms and effects, both acute and delayed:	May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness. May cause damage to the nervous system through prolonged or repeated exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
To protect playing rescuer advice and the special hints to the doctor:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Indication of any immediate medical attention and special treatment needed:	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:

Highly flammable liquid and vapor. Combustion produces 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.

Environmental precautions:

Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and materials for containment and cleaning up:

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

Clean up spills immediately to prevent leaks again.

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secondary hazards:

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:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye/face protection. Use only in well-ventilated areas. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and open flame. - No smoking. Ground/Bond container and receiving equipment. Take precautionary measures against static discharges. Use explosion-proof ventilating equipment. Keep container tightly closed. Do not eat, drink or smoke when using this product. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Wash thoroughly after handling.

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:

Isopropanol (CAS#67-63-0): PC-TWA=350mg/m³ PC-STEL=700mg/m³

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:

Wear a standard respirator; Wear air breathing apparatus in case of emergency.

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.

Odor:

Typical odor

Odor threshold:

No data available

Molecular formula:

Not applicable

Molecular weight:

Not applicable

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Melting point/freezing point (°C):	No data available
Boiling point, initial boiling point (°C):	No data available
Density:	No data available
Relative density(H ₂ 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):	12.8°C / 55°F
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):	Not applicable.
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 _x); 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):	> 10000 ppm 6h

Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	May cause drowsiness or dizziness.

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STOT-repeated exposure: Not classified
Aspiration hazard: May be fatal if swallowed and enters airways.

Section 12 Ecological Information

Ecotoxicity

Isopropanol (CAS#67-63-0)

LC50 (Fish, 96h) 9640 mg/L

EC50 (Daphnia, 24h) > 10000 mg/L

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

UN Number: UN1993
UN Proper shipping name: FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates; Isopropanol)
Transport hazard Class: 3
Packaging group: II
Marine pollutant (yes/no): 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;
- 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.

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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	Not listed
Measures On New Substance Environmental Management	The Inventory Of Existing Chemical Substance In China	Listed
Provisions On Environmental Management Of First Import And Export Of Toxic Chemicals	China Strictly Restricted List Of Import And Export Of Toxic Chemicals	Not listed

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.

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