

# Safety Data Sheet

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

Sea Foam Concentrated Fuel Injector Cleaner

Version 1.0

Issue date: 20/06/2022

Revision date: 20/06/2022

SDS Record Number: CSSS-TCO-010-151569

## Section 1 Chemical Product and Company Identification

**Chemical name:** Sea Foam Concentrated Fuel Injector Cleaner

**Additional identification:** Not available

**Product code:** IC5

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

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

**Identified uses:** Gasoline additive

**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:** Pale yellow liquid with typical odor. Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.

**GHS Classification:**

**Physical hazards** Flammable liquid Category 4

**Health hazards** Skin Irritant Category 2

Carcinogen Category 2

Reproductive Toxicity Category 2

Single target organ toxicity, single exposure Category 3

Aspiration Hazard Category 1

**Environmental hazards** Not classified

**Label elements**

**Pictogram:**



**Signal Word(s):** Danger

**Hazard Statement:** Combustible liquid.

Causes skin irritation

Suspected of causing cancer

Suspected of damaging fertility or the unborn child

May cause respiratory irritation. May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

**Precautionary statement**

**Prevention:** Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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<b>Response:</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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: Wash with plenty water/... IF INHALED: Remove person to fresh air and keep comfortable for breathing IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER/doctor/...if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 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 container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
<b>Disposal:</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Physical and chemical hazards:</b>	Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon. Oxides of sulfur. Oxides of nitrogen.
<b>Health Hazards:</b>	Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or 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 (%)
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	60 – 70
Solvent naphtha, petroleum, light aromatic	64742-95-6	5 – 20
Polyolefin alkyl phenol alkyl amine	Proprietary	5 – 10
Benzene, 1,2,4-trimethyl	95-63-6	3 – 7
1,3,5-Trimethylbenzene	108-67-8	1 – 5
Xylenes (o-, m-, p- isomers)	1330-20-7	< 3
n-Propylbenzene	103-65-1	< 3
2-Ethylhexanol	104-76-7	< 3
1,2,3-Trimethylbenzene	526-73-8	< 3
Isopropylbenzene	98-82-8	< 3

Undisclosed ingredients include: 1) non-hazard ingredients, and 2) ingredients which are below the cut-off value required by Section

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3.3 of GB / T 17519.

## Section 4 First Aid Measures

<b>In case of inhalation:</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
<b>In case of skin contact:</b>	IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
<b>In case of eyes contact:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>In case of ingestion:</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
<b>Most important symptoms and effects, both acute and delayed:</b>	Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or 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:** Water spray, fog, carbon dioxide, foam, dry chemical.

**Unsuitable extinguishing media:** Do not use a water jet since it may cause the fire to spread.

**Special hazards:** Products of combustion may include, and are not limited to: oxides of carbon. Oxides of sulfur. Oxides of nitrogen.

**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:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

**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 cleaning up:** Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface

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Precautions to prevent the occurrence of secondary hazards: water or sewer system. Wear recommended personal protective equipment. 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. Handling temperature:  $\leq 70\text{ }^{\circ}\text{C}$  (158  $^{\circ}\text{F}$ )

### Storage

**Suitable storage conditions:**

Keep out of the reach of children. Keep container tightly closed. Store locked up. Store in a cool, well-ventilated place. Keep container closed when not in use. Keep away from strong oxidizers. Storage temperature:  $\leq 40\text{ }^{\circ}\text{C}$  (104  $^{\circ}\text{F}$ )

**Incompatible materials:**

Strong oxidizers. Strong reducing agents.

**Safe packaging materials:**

Keep it in the original container.

## Section 8 Exposure Controls / Personal Protection

**Occupational exposure limits:**

According to GBZ2.1

Xylene (CAS#1330-20-7)- PC-TWA=50mg/m<sup>3</sup>, PC-STEL=100mg/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:**

Where mineral oil mists are generated – use full face respirator with organic vapor cartridge. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Hand protection:**

Neoprene or nitrile rubber gloves. Wear suitable gloves resistant to chemical penetration. Wear insulated gloves when handling hot product.

**Eye protection:**

Safety glasses or goggles are recommended when using product.

**Skin and body protection:**

Wear suitable protective clothing.

**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:**

Pale yellow 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 <sub>2</sub> O=1):	No data available
Vapor pressure (20°C) (kPa):	0.0017 kPa @ 25°C
Partition coefficient (n-octanol/water):	No data available
Solubility in water:	Insoluble in water.
Solubility in organic solvents:	Insoluble in Alcohols. Soluble in organic solvents.
Flash point (°C):	70 °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):	≈ 13 mm <sup>2</sup> /s @ 40 ° C
Relative vapor density (air=1):	No data available
Relative evaporation rate (n-butyl acetate=1):	0

## 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:	Keep away from heat and open flame. Incompatible materials.
Incompatible materials:	Strong oxidizers. Strong reducing agents.
Hazardous decomposition products:	May include, and are not limited to: oxides of carbon. Smokes. Oxides of sulfur. Oxides of nitrogen.

## Section 11 Toxicological Information

### Acute toxicity

#### Benzene, 1,2,4-trimethyl (CAS#95-63-6)

LD50(Oral, Rat): 6 000 mg/kg bw male

LD50(Dermal, Rabbit): Not available

LC50(Inhalation, Rat): 10 200 mg/m<sup>3</sup>, 4h

Skin corrosion/Irritation: Causes skin irritation.

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Suspected of causing cancer.

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

STOT- single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure: Not classified

Aspiration hazard: May be fatal if swallowed and enters airways.

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## Section 12 Ecological Information

### Ecotoxicity

Benzene, 1,2,4-trimethyl (CAS#95-63-6)

LC50 (Fish, 96h) 7.72mg/L

LC50 (Daphnia, 48h) 3.6 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: Not regulated

UN Proper shipping name: Not regulated

Transport hazard Class: Not regulated

Packaging group: Not regulated

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	Polyolefin alkyl phenol alkyl amine unknown, Distillates, petroleum, hydrotreated heavy paraffinic; Solvent naphtha, petroleum, light aromatic; 2-Ethylhexanol not listed, others listed
	The First Batch Of Key Regulatory List Of Hazardous Chemicals	Polyolefin alkyl phenol alkyl amine unknown, others not listed
Measures On New Substance Environmental Management	The Inventory Of Existing Chemical Substance In China	Polyolefin alkyl phenol alkyl amine unknown, others not listed
Provisions On Environmental Management Of First Import And Export Of Toxic Chemicals	China Strictly Restricted List Of Import And Export Of Toxic Chemicals	Polyolefin alkyl phenol alkyl amine unknown, others 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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