



SEA FOAM SPRAY SAFETY DATA SHEET

according to the Hazardous Products Regulation
(11 February 2015)

Version: 4020CA

SDS Revision Date: 2021/06/08

Applicable Law: Canada
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SECTION 1. IDENTIFICATION

Product name : Sea Foam Spray

Product code : SS14CA

Product form : Mixture.

Recommended use and restrictions : Engine treatment/cleaner.
For internal engine use only. Do not spray in the atmosphere.

Manufacturer : Sea Foam International, Inc.
812 Burlington Dr. Suite 100
Bismarck, ND USA 58504
T 701-751-7363

Supplier : Refer to Manufacturer.

Emergency telephone number : +1 (352) 323-3500 (9am-5pm, Mon to Fri (CST))



SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (GHS CA)

Flam. Aerosol 2	H223
Press. Gas (Comp.)	H280
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304

GHS label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

DANGER

Hazard statements (GHS CA)

H223 – Flammable aerosol.

H280 – Contains gas under pressure; may explode if heated.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

Precautionary statements (GHS CA)

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautionary statements (GHS CA)

P211 - Do not spray on an open flame or other ignition source.

P251 – Do not pierce or burn, even after use.

P261 – Avoid breathing dust, fume, gas, mist, spray, vapours.

P264 – Wash hands thoroughly after handling.

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

P280 – Wear eye protection, face protection, protective clothing, protective gloves.

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 – Do NOT induce vomiting.

P302+P352 – IF ON SKIN: Wash with plenty of water.

P362+P364 – Take off contaminated clothing and wash it before reuse.

P332+P313 – If skin irritation occurs: Get medical advice/attention.

P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 – Call a POISON CENTER or doctor if you feel unwell.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 – If eye irritation persists: Get medical advice/attention.

P405 – Store locked up.

P403 – Store in a well-ventilated place.

P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 – Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards

No additional information available.

Unknown acute toxicity (GHS CA)

Not applicable.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Name	Product Identifier	% wt
Petroleum distillates	*	*
Hydrocarbon-based solvent	*	*
Isopropyl alcohol	(CAS-No.) 67-63-0	10-30

Comments *Chemical ingredient identity and/or concentration information withheld for some or all components present is confidential business information. HMIRA Registry Number: 03343844 - Filing Date 2019.10.01

SECTION 4. FIRST-AID MEASURES

Description of first-aid measures

- First-aid measures after inhalation* : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact* : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. Get medical attention if irritation develops and persists.
- First-aid measures after eye contact* : 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.
- First-aid measures after ingestion* : IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

- Symptoms/Effects after inhalation* : May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
- Symptoms/Effects after skin contact* : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/Effects after eye contact* : Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/Effects after ingestion* : May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment* : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Dry chemical. Foam. Carbon dioxide (CO₂). Water fog.
- Unsuitable extinguishing media* : Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture/Conditions of flammability

- Fire hazard* : Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon. Nitrogen oxides. Sulphur oxides. Other unidentified organic compounds. Toxic and irritating gases may be released. Will float and can be reignited on water surface.
- Explosion hazard* : May form flammable/explosive vapour-air mixture. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

Special protective equipment and precautions for fire-fighters

- Fire-fighting instructions* : Use water spray to cool exposed surfaces.
- Protection during fire-fighting* : Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).



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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

Methods and materials for containment and cleaning up

For containment : Stop leak if safe to do so. Eliminate every possible source of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

Reference to other sections : For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.

Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Keep out of the reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a dry, cool and well-ventilated place. Store locked up.

Incompatible materials : Strong oxidizing agents.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Petroleum distillates

USA – ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³ 8 hr (oil mist)
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USA – ACGIH	ACGIH STEL (mg/m ³)	10 15 min (oil mist)
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Isopropyl alcohol (67-63-0)

USA – ACGIH	ACGIH TWA (ppm)	200 ppm
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USA – ACGIH	ACGIH STEL (ppm)	400 ppm
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Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. 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.

Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid.

Appearance:

Clear liquid. Aerosol.

Colour:

Clear.

Odour:

Petroleum hydrocarbon.

Odour threshold:

No data available.

pH:

No data available.

Relative evaporation rate (butylacetate=1)

< 1

Relative evaporation rate (ether=1)

No data available.

Melting point:

No data available.

Freezing point:

No data available.

Boiling point:

82.2 °C

Flash point:

12.8 °C (Concentrate) TCC

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Flammability (solid, gas):

Flammable aerosol.

Vapour pressure:

80-90 psig

Vapour pressure at 50 °C:

No data available

Relative vapour density at 20 °C:

>1 Heavier than air.

Relative density:

0.8

Solubility:

Slightly soluble. Water: 0.1 - < 1.0 %

Partition coefficient n-octanol/water:

No data available.

Viscosity, kinematic:

No data available.

Explosive limits:

No data available.

VOC content:

367 g/l

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Sources of ignition. Direct sunlight. Incompatible materials.
Incompatible materials	: Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Nitrogen oxides. Sulphur oxides. Other unidentified organic compounds. Toxic and irritating gases may be released. May release flammable gases.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

<i>Acute toxicity (oral)</i>	: Not classified.
<i>Acute toxicity (dermal)</i>	: Not classified.
<i>Acute toxicity (inhalation)</i>	: Not classified.

Petroleum distillates

LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>2000 mg/kg



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Hydrocarbon-based solvent	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	>3160 mg/kg
LC50 inhalation rat	73680 ppm/4h

Isopropyl alcohol (67-63-0)	
LD50 oral rat	5045 mg/kg
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat	72600 mg/m ³ (Exposure time: 4 h)

Skin corrosion/Irritation	: Causes skin irritation.
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.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Sea Foam Spray	
<i>Vaporizer</i>	: Aerosol
Symptoms/Effects after inhalation	: May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/Effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/Effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/Effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Petroleum distillates	
LC50 fish 1	>5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	>1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Isopropyl alcohol (67-63-0)	
LC50 fish 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	>1000 mg/l (Species: Desmodesmus subspicatus)
EC50 96h algae (1)	>1000 mg/l (Species: Desmodesmus subspicatus)



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Persistence and degradability

Sea Foam Spray : Not established.

Bioaccumulative potential

Sea Foam Spray : Not established.

Isopropyl alcohol (67-63-0) : Partition coefficient n-octanol/water : 0.05 (at 25 °C)

Mobility in soil

Isopropyl alcohol (67-63-0) : Partition coefficient n-octanol/water : 0.05 (at 25 °C)

Other adverse effects

Ozone : Not classified.

Other information : No other effects known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Handle empty containers with care because residual vapours are flammable. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

SECTION 14. TRANSPORTATION INFORMATION

Basic shipping description : In accordance with TDG.

Transportation of dangerous goods

UN-No. (TDG) : UN1950

TDG Primary Hazard Classes : 2.1 - Class 2.1 - Flammable Gas.

Transport document description : UN1950 AEROSOLS, 2.1

Proper Shipping Name (TDG) : AEROSOLS, Limited Quantity

Hazard labels (TDG) : 

TDG special provisions : 80 - Despite section 1.17 of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases, a person must not offer for transport or transport these dangerous goods unless they are in a means of containment that is in compliance with section 5.11 of Part 5, Means of Containment, except that the requirement for aerosol containers to be tightly packed in a wood, fibreboard or plastic box does not apply to a user or purchaser who transports no more than six aerosol containers. For a similar rule respecting aerosol containers, see subparagraph 1.15(1)(a)(i) of Part 1, Coming into Force, Repeal, Interpretation, General Provisions and Special Cases. SOR/2012-245

107 - (1)These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2, (Classification), do not apply to the handling, offering for transport or transporting of UN1950, AEROSOLS, and UN2037, GAS CARTRIDGES, that contain dangerous goods included in Class 2.1 or Class 2.2 and that are transported on a road vehicle, a railway vehicle or a ship on a domestic voyage, if the aerosols or gas cartridges have a capacity less than or equal to 50 mL. (2) Subsection (1) does not apply to self-defense spray. SOR/2014-306.

Explosive limit and limited quantity index : 1 L

Excepted quantities (TDG) : E0

Passenger carrying road vehicle or passenger carrying railway vehicle index : 75 L

Transport information/DOT : No additional information available.

Air and sea transport : No additional information available.



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SECTION 15. REGULATORY INFORMATION

National regulations : All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

International regulations : No additional information available.

SECTION 16. OTHER INFORMATION

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.