



SEA FOAM HIGH MILEAGE SAFETY DATA SHEET

according to the Hazardous Products Regulation
(11 February 2015)

Version: 4021CA
SDS Revision Date: 2024/01/15

Applicable Law: Canada
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SECTION 1. IDENTIFICATION

Product name : Sea Foam High Mileage
Product code(s) : HM16CA
Recommended use and restrictions : Fuel system treatment.
Manufacturer : **Sea Foam International, Inc.**
P.O. Box 639
Bismarck, ND USA 58502-0639
T 701-751-7363
Distributor : Refer to Manufacturer



Emergency telephone number : +INFOTRAC - (800) 535-5053 (Within Continental US) (8:30am-4:30pm, Mon to Fri, CST); +1 (352) 323-3500 (Outside US) NOTE: INFOTRAC emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (GHS CA)

Flam. Liq. 3 H226
Asp. Tox. 1 H304
Eye Irrit. 2A H319

GHS label elements, including precautionary statements

GHS-CA labelling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

DANGER

Hazard statements (GHS CA)

H226 - Flammable liquid and vapour.
H304 - May be fatal if swallowed and enters airways.
H319 - Causes serious eye irritation.

Precautionary statements (GHS CA)

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

Precautionary statements (GHS CA)

P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P242 - Use only non-sparking tools.
P243 - Take action to prevent static discharges.
P264 - Wash hands, forearms and face thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
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.

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: 03405463 - Filing Date: 2021.03.12



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SECTION 4. FIRST-AID MEASURES

Description of first-aid measures

- 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.
- First-aid measures after inhalation* : 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.
- 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.

Most important symptoms and effects, both acute and delayed

- 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.
- Symptoms/effects after inhalation* : May cause irritation to the respiratory tract.
- Symptoms/effects after skin contact* : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- 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.

Indication of any immediate medical attention and special treatment needed

: 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* : Carbon dioxide (CO₂). Dry chemical. Foam. 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

- Fire hazard* : Highly flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon. May release flammable gases. 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

- Protective equipment for fire-fighters* : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
- Special fire-fighting procedures* : Use water spray to cool exposed surfaces.

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 material for containment and cleaning up

- For containment* : 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 clean 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"



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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	
<i>Technical measures</i>	: Proper grounding procedures to avoid static electricity should be followed.
<i>Storage conditions</i>	: Keep out of the reach of children. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a dry, cool and well-ventilated place. Keep out of direct sunlight. Store locked up.

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)
USA – ACGIH	ACGIH STEL (mg/m ³)	10 15 min (oil mist)

Isopropyl alcohol (67-63-0)

USA – ACGIH	ACGIH TWA (ppm)	200 ppm
USA – ACGIH	ACGIH STEL (ppm)	200 ppm

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release into the environment.
Hand protection	: Wear suitable gloves.
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.
Skin and body protection	: Wear suitable protective clothing.
Eye/face protection	: Wear eye/face protection.
Other information	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:

Liquid.

Appearance:

Clear liquid.

Colour:

Clear.

Odour:

Petroleum; Hydrocarbon

Odour threshold:

No data available.

Flammability (solid, gas):

Highly flammable liquid and vapour.

Explosive limits:

No data available

Vapour pressure:

No data available.

Vapour pressure at 50 °C:

No data available.

Relative density:

0.82



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pH:
No data available.

Melting/Freezing point:
No data available.

Boiling point:
68 °C / 155 °F

Flash point:
24 °C / 75 °F TCC

Relative evaporation rate (BuAe = 1):
<1

Relative evaporation rate (ether=1):
No data available.

Solubility:
Insoluble.

Partition coefficient: n-octanol/water:
No data available.

Auto-ignition temperature:
No data available.

Decomposition temperature:
No data available.

Viscosity at 40 °C:
2.7 cSt.

Other information:
No additional information available.

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. May release flammable gases.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity (oral) : Not classified.

Acute toxicity (dermal) : Not classified.

Acute toxicity (inhalation) : Not classified.

Petroleum distillates

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

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 : Not classified.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not classified.



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Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Not classified.
Reproductive toxicity	: Not classified.
STOT-single exposure	: Not classified.
Isopropyl alcohol (67-63-0) STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.
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)

Hydrocarbon-based solvent

LC50 fish 1	8.41 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static, closed])
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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)

Persistence and degradability

Sea Foam High Mileage : Not established.

Bioaccumulative potential

Sea Foam High Mileage : 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.



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SECTION 13. DISPOSAL CONSIDERATIONS

Product/packaging disposal recommendations

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

Additional information

: Handle empty containers with care because residual vapours are flammable.

SECTION 14. TRANSPORTATION INFORMATION

Basic shipping description : In accordance with TDG.

Transportation of dangerous goods

UN-No. (TDG) : UN1993

Packing group : III

TDG Primary Hazard Classes : 3 - Class 3 - Flammable Liquids

Transport document description : UN1993 FLAMMABLE LIQUID, N.O.S. (petroleum distillates; isopropanol), 3, III

Proper Shipping Name (TDG) : FLAMMABLE LIQUID, N.O.S. (petroleum distillates; isopropanol)

Hazard labels (TDG)



Transport information/DOT

: No additional information available.

Air and sea transport

: No additional information available.

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.