



SEA FOAM MOTOR TREATMENT SAFETY DATA SHEET

according to the NOM-018-STPS-2015

Version: 4021MX
SDS Revision Date: 26/03/2024

Applicable Law: Mexico
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SECTION 1. IDENTIFICATION OF THE HAZARDOUS CHEMICAL OR MIXTURE AND THE SUPPLIER OR MANUFACTURER

Product name : Sea Foam Motor Treatment

Product code : SF16MX; SF128MX

Product form : Mixture.

Recommended use and restrictions : Fuel & oil system treatment

Manufacturer : Sea Foam International, Inc.
P.O. Box 639
Bismarck, ND USA 58504-0639
T (701) 751-7363



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

GHS MX Classification

Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304

GHS label elements, including precautionary statements

GHS MX labelling

Hazard pictograms (GHS MX)



GHS02



GHS07



GHS08

Signal word (GHS MX)

DANGER

Hazard statements (GHS MX)

H225 - Highly flammable liquid and vapor.
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 MX)

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

Precautionary statements (GHS MX)

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.
P261 - Avoid breathing dust, fume, mist, spray, vapors, gas.
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.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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.
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.



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Name	Product Identifier	%	GHS MX Classification
Petroleum distillates	*	*	Asp. Tox. 1, H304
Hydrocarbon-based solvent	*	*	Flam. Liq. 2, H225 Acute Tox. 4 (Inhal.), H332 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H336 Asp. Tox. 1, H304
Isopropyl alcohol	(CAS-No.) 67-63-0	10-30	Flam. Liq. 2, H225 Acute Tox. 5 (Dermal), H313 Eye Irrit. 2A, H319 STOT SE 3, H336

*Chemical ingredient identity and/or concentration information withheld for some or all components present is confidential business information.

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 liquid and vapor. 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 vapor-air mixture. Heavier than air, vapors may travel long distances along ground, ignite and flash back to source.
- Reactivity* : No dangerous reactions known under normal conditions of use.



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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).

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.

Environmental precautions : Prevent entry to sewers and public waters.

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

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling : Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/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 vapors 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 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. Store locked up.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Isopropyl alcohol (67-63-0)

Mexico	OEL TWA (ppm)	200 ppm
Mexico	OEL STEL (ppm)	400 ppm

Appropriate engineering controls : Ensure good ventilation of the workstation.

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.

Color:

Clear.

Odor:

Petroleum, Hydrocarbon

Odor threshold:

No data available.

pH:

No data available.

Relative evaporation rate (butylacetate=1)

< 1

Melting point:

No data available.

Freezing point:

No data available.

Boiling point:

82.2 °C / 180 °F

Flash point:

26 °C / 78.8 °F (Concentrate) TCC

Flammability (solid, gas):

Flammable liquid and vapor.

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Vapor pressure:

No data available.

Relative vapor density at 20 °C:

No data available.

Relative density:

0.8

Solubility:

Insoluble.

Partition coefficient n-octanol/water:

No data available.

Log Kow:

No data available.

Viscosity:

2.93 cSt

Explosive properties:

No data available.

Oxidizing properties:

No data available.

Explosive limits:

No data 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 vapor-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

Other Information	: Likely routes of exposure: ingestion, inhalation, skin and eye.
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	> 15 g/kg
LD50 dermal rabbit	> 5000 mg/kg
Hydrocarbon-based solvent	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg



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LC50 inhalation rat	73680 ppm/4h
ATE MX (gases)	73680 ppmv/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)
ATE MX (oral)	5045 mg/kg bodyweight
ATE MX (dermal)	4059 mg/kg bodyweight
ATE MX (vapors)	72.6 mg/l/4h
ATE MX (dust, mist)	72.6 mg/l/4h

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.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

<i>Ecology – general</i>	: May cause long-term adverse effects in the aquatic environment.
<i>Unknown hazards to the aquatic environment (GHS MX)</i>	: Contains 33% of components with unknown hazards to the aquatic environment.
<i>Acute aquatic toxicity</i>	: Not classified.
<i>Chronic aquatic toxicity</i>	: Not classified.

Petroleum distillates (Trade Secret)

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)
Partition coefficient n-octanol/water	0.05 (at 25 °C / 77 °F)

Persistence and degradability

Sea Foam Motor Treatment : Not established.

Bioaccumulative potential

Sea Foam Motor Treatment : Not established.

Isopropyl alcohol (67-63-0) : Partition coefficient n-octanol/water : 0.05 (at 25 °C / 77 °F)

Mobility in soil

Isopropyl alcohol (67-63-0) : Partition coefficient n-octanol/water : 0.05 (at 25 °C / 77 °F)

Other adverse effects

Ozone : Not classified.

Other information : No other effects known.



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SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment 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 vapors are flammable.

SECTION 14. TRANSPORTATION INFORMATION

Basic shipping description : In accordance with the Secretariat of Communication and Transportation

UN number

<i>UN-No. (NOM/SCT)</i> : 1993		<i>UN-No. (IMDG)</i> : 1993
<i>UN-No.(UN RTDG)</i> : 1993		<i>UN-No.</i> : 1993

UN proper shipping name

<i>Proper Shipping Name (NOM/SCT)</i>	: FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates; Isopropanol)
<i>Proper Shipping Name (UN RTDG)</i>	: FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates; Isopropanol)
<i>Proper Shipping Name (IMDG)</i>	: FLAMMABLE LIQUID, N.O.S. (Petroleum Distillates; Isopropanol)
<i>Proper Shipping Name (IATA)</i>	: Flammable liquid, n.o.s. (Petroleum Distillates; Isopropanol)

Transport hazard class(es)

NOM

Transport hazard class(es) (NOM) : 3
Danger labels (NOM/SCT) : 3



UN RTDG

Transport hazard class(es) (UN RTDG) : 3
Danger labels (UN RTDG) : 3



IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3



Packing group

<i>Packing group (NOM/SCT)</i> : II		<i>Packing group (IMDG)</i> : II
<i>Packing group (UN RTDG)</i> : II		<i>Packing group (IATA)</i> : II

Environmental hazards

Other information : No supplementary information available.

Special precautions for user

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

- NOM

Special provisions (NOM/SCT) : 223, 274
Limited quantities (NOM/SCT) : 5L
Excepted quantities (NOM/SCT) : E1
Packing instruction (NOM/SCT) : P001, IBC03, LP01
Portable tank and bulk container instructions (NOM/SCT) : T4
Portable tank and bulk container special provisions (NOM/SCT) : TP1, TP29

- UN RTDG

Special provisions (UN RTDG) : 223, 274
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Portable tank and bulk container instructions (UN RTDG) : T4
Portable tank and bulk container special provisions (UN RTDG) : TP1, TP29

- IMDG

: No data available.

- IATA

: No data available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable.



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SECTION 15. REGULATORY INFORMATION

No additional information available.

SECTION 16. OTHER INFORMATION INCLUDING INFORMATION RELATING TO THE PREPARATION AND UPDATING OF SAFETY DATA SHEETS

The information is believed to be correct but is not exhaustive and is to be used for guidance only, which is based on current knowledge of the chemical or mixture and is applicable to the appropriate safety precautions of the product.

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