

Sea Foam Motor Treatment

Safety Data Sheet

Applicable Law: Mexico-NOM-018-STPS-2015

Date: 02/05/2020 Version: 20200205

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. GHS product identifier

Product form : Mixture
Product name : Sea Foam Motor Treatment
Product code : SF16MX; SF20MX; SF128MX

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Fuel & oil system treatment

1.4. Supplier's details

Manufacturer

Sea Foam International, Inc.
1110 College Drive
Bismarck ND 58501
T (701) 751-7363

1.5. Emergency phone number

Emergency number : 800-535-5053 (within Continental US); 352-323-3500 (Outside US)
9am-4pm, Mon to Fri (CST)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS MX classification

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2A H319
STOT SE 3 H336
Asp. Tox. 1 H304

2.2. Label elements

GHS MX labeling

Hazard pictograms (GHS MX) :



Signal word (GHS MX) :

Danger

Hazard statements (GHS MX) :

H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H304 - May be fatal if swallowed and enters airways.

Precautionary statements (GHS MX) :

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

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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

2.3. Other hazards which do not result in classification

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. 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

4.1. Description of necessary 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.

4.2. Most important symptoms/effects, 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.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

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

5.1. Suitable 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.

5.2. Specific hazards arising from the chemical

- Fire hazard : Flammable liquid and vapour. 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.
- Reactivity : No dangerous reactions known under normal conditions of use.

5.3. Special protective actions for fire-fighters

- Firefighting instructions : Use water spray to cool exposed surfaces.
- Protection during firefighting : 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

6.1. 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.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

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.

7.2. 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

8.1. Control parameters

Isopropyl alcohol (67-63-0)			
Mexico	OEL TWA (ppm)	200 ppm	
Mexico	OEL STEL (ppm)	400 ppm	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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

8.3. Individual protection measures, such as personal protective equipment (PPE)

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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear liquid.

Colour : Clear

Odour : Petroleum, Hydrocarbon

Odour threshold : No data available

pH : No data available

Relative evaporation rate (butylacetate=1) : < 1

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Melting point	: No data available
Freezing point	: No data available
Boiling point	: 82.2 °C
Flash point	: 12.8 °C (Concentrate) TCC
Flammability (solid, gas)	: Flammable liquid and vapour.
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Vapour pressure	: No data available
Relative vapour 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, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sources of ignition. Direct sunlight. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. 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.

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified.
Acute toxicity (dermal)	: Not classified.
Acute toxicity (inhalation)	: Not classified.

Hydrocarbon-based solvent	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat	73680 ppm/4h
ATE MX (gases)	73680 ppmv/4h

Petroleum distillates	
LD50 oral rat	> 15 g/kg
LD50 dermal rabbit	> 5000 mg/kg

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 (vapours)	72.6 mg/l/4h
ATE MX (dust,mist)	72.6 mg/l/4h

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Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: 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

12.1. Toxicity

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

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

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water	0.05 (at 25 °C)
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12.4. Mobility in soil

Isopropyl alcohol (67-63-0)

Partition coefficient n-octanol/water	0.05 (at 25 °C)
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12.5. Other adverse effects

Ozone	: Not classified.
Other information	: No other effects known.

SECTION 13: Disposal considerations

13.1. 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 vapours are flammable.

SECTION 14: Transport information

In accordance with the Secretariat of Communication and Transportation

14.1. UN number

UN-No. (NOM/SCT)	: 1993
UN-No.(UN RTDG)	: 1993
UN-No. (IMDG)	: 1993
UN-No. (IATA)	: 1993

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14.2. UN proper shipping name

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

14.3. 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
Hazard labels (IATA) : 3



14.4. Packing group

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

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. 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

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- 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 special instructions (UN RTDG)	: T4
Portable tank and bulk container special provisions (UN RTDG)	: TP1, TP29

- IMDG

No data available

- IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

No additional information available

SECTION 16: Other information

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
LC50; Average lethal concentration; Lethal Concentration 50: Amount of a substance like gas, vapor mist or dust in a volume of air, statistically calculated, the exposure of which it is expected that 50% of the animals that experienced it are expected to die. When dealing with vapors or gases, it is stated in ppm, and when dust or mist, it is expressed in mg/l or in mg/m3.
°C: Degrees Celsius. Unit of temperature in the international system.
CO2: Carbon dioxide.
LD50; average lethal dose; Lethal Dose 50: It is the amount of a substance (milligrams or grams per kilogram of body weight of the test subject) statistically obtained, and administered by mouth or dermally, which causes the death to 50% of a group of experimental animals.
°F: Degrees Fahrenheit. Unit of temperature in the English system.
HDS: Safety data sheets (SDS in English).
ICC: Confidential business information (CBI in English).
IUPAC: The International Union of Pure and Applied Chemistry.
kPa: kilopascal. Unit of pressure.
mg/l: Milligram per liter. Unit of concentration.
mg/m3: Milligram per cubic meter. Unit of concentration.
mg/kg: Milligram per kilogram. Unit of concentration.
CAS Number: Number assigned to a chemical substance by the Chemical Abstract Service of the United States of America.
UN Number: Identification number for the transportation of hazardous chemical substances assigned by the United Nations Organization.
ppm: Parts per million. Volume/volume ratio.
RTECS: Registry of Toxic Effects of Chemical Substances (according to its acronym in English) or Toxic Effects of Chemical Substances.
SGA; GHS: The Globally Harmonized System of Classification and Labeling of Chemicals, developed by the Organization of the United Nations.
VLE-PPT: Threshold limit value of time weighted average exposure (TLV-TWA in English).
VLE-CT: Threshold limit value of short-term exposure (TLV-STEL in English).
VLE-P: Threshold limit value of peak exposure (TLV-C in English).

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

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