



# SEA FOAM SPRAY SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 1 of 8

## SECTION 1. IDENTIFICATION OF THE HAZARDOUS CHEMICAL OR MIXTURE AND THE SUPPLIER OR MANUFACTURER

Product name : Sea Foam Spray  
 Product code : SS14MX  
 Product form : Mixture  
 Recommended use and restrictions : Engine treatment/cleaner. Internal engine use only.  
 Manufacturer : Sea Foam International, Inc.  
 812 Burlington Drive, Suite 100  
 Bismarck, ND 58504-0639  
 T (701) 751-7363  
 Emergency Telephone Number : INFOTRAC - 1 (352) 323-3500



## SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

### GHS MX Classification

Aerosol 1	H222; H229
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Acute 2	H401

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)

H222 - Extremely flammable aerosol.  
 H229 - Pressurized container: May burst 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.  
 H401 - Toxic to aquatic life.

### Precautionary statements (GHS MX)

P101 - If medical advice is needed, have product container or label at hand.

### Precautionary statements (GHS MX)

P102 - Keep out of reach of children.  
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 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/vapors/spray.  
 P264 - Wash hands, forearms, and face thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P273 - Avoid release to the environment.  
 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.  
 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.  
 P403 - Store in a well-ventilated place.  
 P405 - Store locked up.  
 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 data available.



# SEA FOAM SPRAY

## SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 2 of 8

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Name	Product Identifier	% wt	GHS MX Classification
Petroleum distillates	*	*	Asp. Tox. 1, H304
Hydrocarbon-based solvent	*	*	Flam. Liq. 1, H224 Asp. Tox. 1, H304 Aquatic Acute 2, H401
Isopropyl alcohol	(CAS-No.) 67-63-0	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2, 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 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: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
- 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 displace oxygen and cause rapid suffocation. 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.

#### 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 (CO<sub>2</sub>). 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* : Extremely 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* : Heavier than air, vapors may travel long distances along ground, ignite and flash back to source. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity* : No dangerous reactions known under normal conditions of use.



# SEA FOAM SPRAY SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 3 of 8

## Special protective equipment and precautions for fire-fighters

- Firefighting instructions* : In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.
- Protection during firefighting* : 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. Eliminate every possible source of ignition. Use only non-sparking tools. Use special care to avoid static electric charges. Isolate from fire, if possible, without unnecessary risk.

- Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters. Avoid release to the environment.

### Methods and materials for containment and cleaning up

- For containment* : Stop leak if safe to do so. Eliminate every possible source of ignition. Do not use sawdust or other combustible material to absorb spilled material. Absorb and/or contain spill with inert material (sand, vermiculite, or other appropriate material), then place in a 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** : Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking. 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. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area.

- Hygiene measures** : Take off contaminated clothing and wash it before reuse. Always wash hands after handling the product.

- Additional hazards when processed** : Do not pierce or burn, even after use. Keep away from sources of ignition – No smoking. Hazardous waste due to potential risk of explosion.

### Conditions for safe storage, including any incompatibilities

- Technical measures* : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions* : 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. Keep out of the reach of children. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C / 122 °F. Keep in fireproof place. Store away from direct sunlight or other heat sources. Protect from sunlight. Store in a well-ventilated place.
- Incompatible materials* : Strong oxidizing agents. Heat sources.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

Isopropyl alcohol (67-63-0)

### Mexico - Occupational Exposure Limits

OEL TWA [2]	200 ppm
OEL STEL [ppm]	400 ppm

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



# SEA FOAM SPRAY

## SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 4 of 8

<b>Environmental exposure controls</b>	: Avoid release to the environment.
<b>Other information</b>	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.
<b>Individual protection measures/Personal protective equipment</b>	
<i>Hand protection</i>	: Wear suitable gloves resistant to chemical penetration.
<i>Eye protection</i>	: Wear approved eye (properly fitted dust- or splash-proof chemical safety goggles) / face (face shield) protection.
<i>Skin and body protection</i>	: Wear suitable protective clothing.
<i>Respiratory protection</i>	: 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

**Physical State:**

Liquid.

**Appearance:**

Clear liquid. Aerosol.

**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:**

12.8 °C / 55 °F (Concentrate)

**Auto-ignition temperature:**

No data available.

**Decomposition temperature:**

No data available.

**Flammability (solid, gas):**

Extremely flammable aerosol.

**Vapor pressure:**

80 – 90 psig.

**Relative vapor density at 20 °C / 68 °F:**

>1 (heavier than air)

**Relative density:**

0.8

**Solubility:**

Slightly soluble in: Water: 0.1 - < 1.0%.

**Partition coefficient n-octanol/water:**

No data available.

**Partition coefficient n-octanol/water (Log Kow)**

No data available.

**Viscosity, dynamic:**

No data available.

**Explosive properties:**

No data available.

**Oxidizing properties:**

No data available.

**Explosive limits:**

No data available.

**Other Information:**

VOC content : 367 g/l  
Gas group : Compressed gas  
Flame Projection : >100 cm  
Heat of combustion : 34 kJ/g



# SEA FOAM SPRAY

## SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 5 of 8

### SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	: No dangerous reactions known under normal conditions of use.
<b>Chemical stability</b>	: Stable under normal conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn. Extreme risk of explosion by shock, friction, fire or other sources of ignition.
<b>Possibility of hazardous reactions</b>	: No dangerous reactions known under normal conditions of use.
<b>Conditions to avoid</b>	: Heat. Incompatible materials. Sparks. Open flames. Direct sunlight. Overheating. Sources of ignition.
<b>Incompatible materials</b>	: Strong oxidizing agents. Strong acids. Strong bases.
<b>Hazardous decomposition products</b>	: 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

<b>Other information</b>	: Likely routes of exposure: ingestion, inhalation, skin and eye.
<b>Information on toxicological effects</b>	
<i>Acute toxicity (oral)</i>	: Not classified.
<i>Acute toxicity (dermal)</i>	: Not classified.
<i>Acute toxicity (inhalation)</i>	: Not classified.

Petroleum distillates (Trade Secret)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

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

Isopropyl alcohol (67-63-0)	
LD50 oral rat	5840 mg/kg bodyweight (OECD Guideline 401)
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat	72600 mg/m <sup>3</sup> (Exposure time: 4 h)
ATE MX (oral)	5840 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

<b>Skin corrosion/irritation</b>	: Causes skin irritation.
<b>Serious eye damage/irritation</b>	: Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	: Not classified.
<b>Germ cell mutagenicity</b>	: Not classified.
<b>Carcinogenicity</b>	: Not classified.
<b>Reproductive toxicity</b>	: Not classified.



# SEA FOAM SPRAY SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 6 of 8

STOT-single exposure : May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified.

<b>Petroleum distillates (Trade Secret)</b>	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
<b>Hydrocarbon-based solvent (Trade Secret)</b>	
LOAEC (inhalation, rat, vapour, 90 days)	4.71 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
Aspiration hazard	: May be fatal if swallowed and enters airways.
<b>Sea Foam Spray</b>	
Vaporizer	Aerosol

## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

<i>Ecology - general</i>	: Toxic to aquatic life.
<i>Unknown hazards to the aquatic environment (GHS MX)</i>	: Contains 2.8% of components with unknown hazards to the aquatic environment.
<i>Hazardous to the aquatic environment, short-term (acute)</i>	: Toxic to aquatic life.
<i>Hazardous to the aquatic environment, long-term (chronic)</i>	: Not classified.

<b>Petroleum distillates (Trade Secret)</b>	
LC50 - Fish [1]	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Hydrocarbon-based solvent (Trade Secret)</b>	
LC50 - Fish [1]	8.41 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static, closed])
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	12.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	18.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
<b>Isopropyl alcohol (67-63-0)</b>	
LC50 - Fish [1]	10000 mg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	9640 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [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)



# SEA FOAM SPRAY SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 7 of 8

## 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 / 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.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

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. Container under pressure. Do not drill or burn even after use. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

Additional information : Flammable vapors may accumulate in the container. Hazardous waste due to potential risk of explosion.

## SECTION 14. TRANSPORTATION INFORMATION

In accordance with the Secretariat of Communication and Transportation

### UN number

UN-No. (NOM/SCT) : 1950

UN-No. (IMDG) : 1950

UN-No. (IATA) : 1950

### UN proper shipping name

Proper shipping name (NOM/SCT) : AEROSOLS (Limited Quantity)

Proper shipping name (IMDG) : AEROSOLS (LTD QTY)

Proper shipping name (IATA) : Aerosols, flammable (Limited Quantity)

### Transport hazard class(es)

#### NOM

Transport hazard class(es) (NOM) : Limited Quantity

Danger labels (NOM/SCT) : 2



#### IMDG

Transport hazard class(es) (IMDG) : Limited Quantity

Danger labels (IMDG) : 2.1



#### IATA

Transport hazard class(es) (IATA) : 2.1, Limited quantity for air transport

Danger labels (IATA) : 2.1





# SEA FOAM SPRAY SAFETY DATA SHEET

According to the NOM-018-STPS-2015

Version: 4021MX  
SDS Revision Date: 14/10/2021

Applicable Law: Mexico  
Page 8 of 8

## Packaging group

*Packing group (NOM/SCT)* : Not applicable  
*Packing group (IMDG)* : Not applicable  
*Packing group (IATA)* : Not applicable

## 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)* : 63, 190, 277, 327, 344  
*Limited quantities (NOM/SCT)* : See SP 277  
*Excepted quantities (NOM/SCT)* : E0  
*Packing instruction (NOM/SCT)* : P003, LP02  
*Special packing provisions (NOM/SCT)* : PP17, PP87, L2

### -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.

## 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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