



# SEA FOAM CONCENTRATED FUEL INJECTOR CLEANER SAFETY DATA SHEET

Version: 4021CA  
SDS Revision Date 2021/06/08

according to the Hazardous Products Regulation  
(11 February 2015)

Applicable Law: Canada  
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## SECTION 1. IDENTIFICATION

**Product name** : Sea Foam Concentrated Fuel Injector Cleaner  
**Product code** : IC5CA  
**Product form** : Mixture.  
**Recommended use and restrictions** : Gasoline additive.  
**Manufacturer** : Sea Foam International, Inc.  
 812 Burlington Drive, 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)**

Skin Irrit. 2 H315  
 Carc. 2 H351  
 Repr. 2 H361  
 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)**

H304 - May be fatal if swallowed and enters airways.  
 H315 - Causes skin irritation.  
 H351 - Suspected of causing cancer.  
 H361 - Suspected of damaging fertility or the unborn child.

**Precautionary statements (GHS CA)**

P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P308+P313 - IF exposed or concerned: Get medical advice/attention.  
 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.  
 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
Distillates, petroleum, hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7	60 – 80*
Solvent naphtha, petroleum, light aromatic	(CAS-No.) 64742-95-6	7 – 30*
Polyolefin alkyl phenol alkyl amine	(CAS-No.) Proprietary	5 – 10*
Benzene, 1,2,4-trimethyl	(CAS-No.) 95-63-6	3 – 7*
1,3,5-Trimethylbenzene	(CAS-No.) 108-67-8	1 – 5*
n-Propylbenzene	(CAS-No.) 103-65-1	0.1 - 1.5*



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Xylenes (o-, m-, p- isomers)	(CAS-No.) 1330-20-7	0.1 - 1.5*
2-Ethylhexanol	(CAS-No.) 104-76-7	0.1 - 1.5*
Isopropylbenzene	(CAS-No.) 98-82-8	0.1 - 1.5*
1,2,3-Trimethylbenzene	(CAS-No.) 526-73-8	0.1 - 1.5*

\*Actual concentration withheld as trade secret.

## SECTION 4. FIRST-AID MEASURES

### Description of first-aid measures

- 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: 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 cause irritation to the respiratory tract.
- Symptoms/Effects after skin contact* : Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/Effects after eye contact* : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- 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* : Treat symptomatically. 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* : Water spray, fog, carbon dioxide, foam, dry chemical.
- Unsuitable extinguishing media* : Do not use a water jet since it may cause the fire to spread.

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

- Fire hazard* : Products of combustion may include, and are not limited to: oxides of carbon. Oxides of sulfur. Oxides of nitrogen.

### Special protective equipment and precautions for fire-fighters

- 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

### 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 sources of ignition.

### Methods and materials for containment and cleaning up

*For containment* : 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** : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Use only in well ventilated areas.

**Hygiene measures** : Take off contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

**Handling temperature** : ≤ 70 °C (158 °F)

### Conditions for safe storage, including any incompatibilities

*Storage conditions* : Keep out of the reach of children. Keep container tightly closed. Store locked up. Store in a cool, well-ventilated place. Keep container closed when not in use. Keep away from strong oxidizers.

*Storage temperature* : ≤ 40 °C (104 °F)

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Xylenes (o-, m-, p- isomers) (1330-20-7)

USA – ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	100 ppm
USA – ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	150 ppm
USA – ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair
USA – ACGIH	Regulatory reference	ACGIH 2018
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA - OSHA	Regulatory reference (US-OSHA)	OSHA

#### Isopropylbenzene (98-82-8)

USA – ACGIH	ACGIH TWA (ppm)	50 ppm
USA – ACGIH	Remark (ACGIH)	Lung cancer; liver and lung dam; A2 (Suspected Human Carcinogen: Human data are accepted as adequate in quality but are conflicting or insufficient to classify the agent as a confirmed human carcinogen; OR, the agent is carcinogenic in experimental animals at dose(s), by route(s) of exposure, at site(s), of histologic type(s), or by mechanism(s) considered relevant to worker exposure. The A2 is used primarily when there is limited evidence or carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals with relevance to humans)
USA – ACGIH	Regulatory reference	ACGIH 2017
USA - OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	245 mg/m <sup>3</sup>
USA - OSHA	OSHA PEL (TWA) (ppm)	50 ppm
USA - OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
USA - OSHA	Regulatory reference (US-OSHA)	OSHA



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<b>Appropriate engineering controls</b>	: Use adequate ventilation to keep oil mist below applicable standard.
<b>Environmental exposure controls</b>	: Avoid release to the environment.
<b>Individual protection measures/Personal protective equipment</b>	
<i>Hand protection</i>	: Neoprene or nitrile rubber gloves. Wear suitable gloves resistant to chemical penetration. Wear insulated gloves when handling hot product.
<i>Eye protection</i>	: Safety glasses or goggles are recommended when using product.
<i>Skin and body protection</i>	: Wear suitable protective clothing.
<i>Respiratory protection</i>	: Where mineral oil mists are generated – use full face respirator with organic vapor cartridge. 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.
<i>Other information</i>	: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle in accordance with good industrial hygiene and safety procedures.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Liquid.

**Appearance:**

Pale yellow liquid.

**Colour:**

Pale yellow

**Odour:**

Petroleum.

**Odour threshold:**

No data available.

**pH:**

No data available.

**Relative evaporation rate (butylacetate=1)**

0

**Relative evaporation rate (ether=1)**

No data available.

**Melting point:**

No data available.

**Freezing point:**

No data available.

**Boiling point:**

No data available.

**Flash point:**

> 93 °C / 199°F (estimated based upon components)

**Auto-ignition temperature:**

No data available.

**Decomposition temperature:**

No data available.

**Flammability (solid, gas):**

No data available.

**Vapour pressure:**

0.0017 kPa @ 25°C/68°F (.013 torr @ 25°C/68°F)

**Vapour pressure at 50 °C:**

No data available.

**Relative density:**

No data available.

**Solubility:**

Insoluble in water. Alcohols. Soluble in organic solvents

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

No data available.

**Viscosity, kinematic:**

≈ 20 mm<sup>2</sup>/s @ 40 °C.

**Explosive limits:**

No data available.



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## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Keep away from heat and open flame. Incompatible materials.
Incompatible materials	: Strong oxidizers. Strong reducing agents.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. smokes. Oxides of sulfur. Oxides of nitrogen.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

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

<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
LD50 oral rat	> 15 g/kg
LD50 dermal rabbit	> 5000 mg/kg
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	3400 ppm/4h
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LD50 oral rat	3280 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat	18 g/m <sup>3</sup> (Exposure time: 4 h)
ATE CA (gases)	4500 ppmV/4h
ATE CA (dust, mist)	1.5 mg/l/4h
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LC50 inhalation rat	24 g/m <sup>3</sup> (Exposure time: 4 h)
<b>n-Propylbenzene (103-65-1)</b>	
LD50 oral rat	6040 mg/kg
LC50 inhalation rat	65000 ppm (Exposure time: 2 h)
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	> 4350 mg/kg
LD50 dermal	1700 mg/kg
LC50 inhalation rat	29.08 mg/l/4h
LC50 inhalation rat (Vapours – mg/l/4h)	27.57 mg/l/4h
<b>2-Ethylhexanol (104-76-7)</b>	
LD50 oral rat	3730 mg/kg
LD50 dermal rabbit	1980 mg/kg
LC50 inhalation rat	> 227 ppm (Exposure time: 6 h)
<b>Isopropylbenzene (98-82-8)</b>	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µl/kg
LC50 inhalation rat	> 3577 ppm (Exposure time: 6 h)



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Skin corrosion/Irritation	: Causes skin irritation.
Serious eye damage/Irritation	: Not classified.
Respiratory or skin sensitization	: Not classified.
Germ cell mutagenicity	: Not classified.
Carcinogenicity	: Suspected of causing cancer.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
STOT – single exposure	: Not classified.

<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
STOT – single exposure	May cause drowsiness or dizziness.
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
STOT – single exposure	May cause drowsiness or dizziness.
STOT – repeated exposure	: Not classified.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic (calculated value) (40 °C)	: ≈ 20 mm <sup>2</sup> /s @ 40 °C
Symptoms/Effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/Effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/Effects after eye contact	: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
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.

<b>Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7)</b>	
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)
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LC50 fish 1	9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LC50 fish 1	7.19 - 8.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>1,3,5-Trimethylbenzene (108-67-8)</b>	
LC50 fish 1	3.48 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
LC50 fish 1	13.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	2.661 - 4.093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	3.82 mg/l (Exposure time: 48 h - Species: water flea)
EC50 Daphnia 2	0.6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)
<b>2-Ethylhexanol (104-76-7)</b>	
LC50 fish 1	32 - 37 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
LC50 fish 2	> 7.5 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	39 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 72h algae (1)	11.5 mg/l (Species: Desmodesmus subspicatus)
<b>Isopropylbenzene (98-82-8)</b>	
LC50 fish 1	6.04 - 6.61 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 fish 2	4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 Daphnia 1	0.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	7.9 - 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h algae (1)	2.6 mg/l (Species: Pseudokirchneriella subcapitata)



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Persistence and degradability of Sea Foam Concentrated Fuel Injector Cleaner not established.  
Bioaccumulative potential of Sea Foam Concentrated Fuel Injector Cleaner not established.

<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Partition coefficient n-octanol/water	3.63
<b>n-Propylbenzene (103-65-1)</b>	
Partition coefficient n-octanol/water	3.68
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
BCF fish 1	0.6 - 15
Partition coefficient n-octanol/water	2.77 - 3.15
<b>2-Ethylhexanol (104-76-7)</b>	
Partition coefficient n-octanol/water	3.1
<b>Isopropylbenzene (98-82-8)</b>	
BCF fish 1	35.5
Partition coefficient n-octanol/water	3.7

<b>Mobility in soil</b>	
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Partition coefficient n-octanol/water	3.63
<b>n-Propylbenzene (103-65-1)</b>	
Partition coefficient n-octanol/water	3.68
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
Partition coefficient n-octanol/water	2.77 - 3.15
<b>2-Ethylhexanol (104-76-7)</b>	
Partition coefficient n-octanol/water	3.1
<b>Isopropylbenzene (98-82-8)</b>	
Partition coefficient n-octanol/water	3.7

#### Other adverse effects

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

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal 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. Empty containers or liners may retain some product residues.

### SECTION 14. TRANSPORTATION INFORMATION

Basic shipping description : In accordance with TDG.  
Transportation of dangerous goods : Not regulated for transport.  
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.