



SAFETY DATA SHEET

Applicable Authority: US OSHA HCS 2024

Sea Foam Concentrated Fuel Injector Cleaner

Revision Date: 03/18/2026

Applicable Law: USA

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SECTION 1. IDENTIFICATION

Product identifier used on the label : **Sea Foam High Mileage Fuel Injector Cleaner**

Product code(s) : HMIC5

Recommended use : Gasoline additive. Consumer Use. Professional Use.

Product Form : Mixture

Name, address, and telephone number of the supplier : **Sea Foam Sales Company**
510 North Chestnut Street
Chaska, MN, USA 55318
T (952) 938-4811

Emergency Telephone Number : INFOTRAC - (800) 535-5053 (Within Continental US) (8-4:30pm CST)

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
GHS US classification

Flammable Liquid, Category 4
Skin corrosion/irritation, Category 2
Carcinogen, Category 2
Aspiration Hazard, Category 1

Hazardous not otherwise classified (HNOC)
None.

GHS Label elements, including precautionary statements

Hazard pictograms (GHS US)



Signal Word

Danger

Hazard statement(s)

H227 – Combustible liquid
H304 – May be fatal if swallowed and enters airways.
H315 – Causes skin irritation.
H351 – Suspected of causing cancer.

Precautionary statement(s) – Prevention

P101 – If medical advice is needed, have product container or label at hand.
P102 – Keep out of reach of children.
P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P210+P403 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place.
P264 – Wash hands, forearms and face thoroughly after handling.
P 280 – Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement(s) – Response

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.
P332-PP313 If skin irritation occurs: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash it before reuse.
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 Information

May be harmful in contact with skin. Harmful to aquatic life with long lasting effects.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS #	Concentration (%)*
Distillates, petroleum, hydrotreated heavy paraffinic	64742-54-7	60 – 80
Solvent naphtha, petroleum, light aromatic	64742-95-6	7 – 13
Polyolefin alkyl phenol alkyl amine (CBI #03498625)	Proprietary	5 – 10
1,2,4-Trimethylbenzene	95-63-6	1 – 5
2-Ethyl-1-hexanol	104-76-7	0.5 – 1.5
1,3,5-Trimethylbenzene	108-67-8	0.5 – 1.5
Cumene	98-82-8	0.1 – 1.0

*Exact percentage (concentration) has been withheld as trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

General Advice

IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

First-aid measures after inhalation

: Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use



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barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

First-aid measures after skin contact : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

First-aid measures after eye contact : IF IN EYES: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Self-protection of the first aider: Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects (acute and delayed)

Symptoms : Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Erythema (skin redness). May cause redness and tearing of the eyes.

Effects of Exposure : Suspected of causing cancer.

Indication of any immediate medical attention and special treatment needed

Note to physicians : Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

Specific hazards arising from the chemical : Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: Yes.

Special protective equipment and precautions for fire-fighters

: Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions : Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Other Information : Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

For contaminant : Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up : Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards : Clean contaminated objects and areas thoroughly observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : Use personal protective equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations : Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage conditions : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flames, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in



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properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure Limits

: The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
1,2,4-trimethylbenzene 95-63-6	TWA: 10 ppm		TWA: 25 ppm; TWA: 125 mg/m3;
Mesitylene 108-67-8	TWA: 10 ppm		TWA: 25 ppm; TWA: 125 mg/m3;
2-ethylhexanol 104-76-7	TWA: 5 ppm		
Cumene 98-82-8	TWA: 5 ppm	TWA: 50 ppm TWA: 245 mg/m3 (vacated) TWA: 50 ppm (vacated) TWA: 245 mg/m3 dSk Sdv	TWA: 50 ppm; TWA: 245 mg/m3; IDLH: 900 ppm

Other information on limit values

: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

: Showers. Eyewash stations. Ventilation systems.

Individual protection measures/Personal protective equipment

Hand protection

: Wear suitable gloves.

Eye protection

: Tight sealing safety goggles.

Skin and body protection

: Wear suitable protective clothing. Long sleeved clothing. Antistatic boots. Chemical resistant apron. Wear fire/flame resistant/retardant clothing.

Respiratory protection

: Use appropriate respiratory protection. Consult with an industrial hygienist to determine the appropriate respiratory protection for your specific use of this material.

Other information

: 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 amber liquid.

Color:

Amber.

Odor:

Petroleum. Solvent-like.

Odor threshold:

No data available.

pH:

No data available.

Melting point:

No data available.

Freezing point:

No data available.

Boiling point:

209°C / 408°F

Flash point:

63.5 °C / 146°F (TCC)

Vapor pressure:

No data available.

Relative vapor density at 20 °C:

>1 (air = 1).

Relative density:

.865. (water = 1)

Solubility:

Insoluble in water. Alcohols. Soluble in organic solvents.

Partition coefficient n-octanol/water:

No data available.

Auto-ignition temperature:

No data available.

Decomposition temperature:

No data available.

Viscosity, kinematic:

≈ 18.5 cSt at 40 °C/104 °F.

Viscosity, dynamic:

No data available.

Explosion limits:

No data available.



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Relative Evaporation rate (butyl acetate=1):

0

Explosive properties:

No data available.

Flammability (solid, gas):

Combustible.

Oxidizing properties:

No data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: None under normal conditions of use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None under normal conditions of use.
Conditions to avoid	: Heat, flames, sparks, and sources of ignition.
Incompatible materials	: Strong acids, Strong bases, Strong oxidizing agents.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Oxides of sulfur. Oxides of nitrogen. Irritating vapours. May release flammable gases. Smokes.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	: Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. Specific test data for the substance or mixture is not available.
Eye contact	: May cause irritation. Specific test data for the substance or mixture is not available.
Skin contact	: Causes skin irritation (based on components). Repeated exposure may cause skin dryness or cracking. Specific test data for the substance or mixture is not available.
Ingestion	: May be fatal if swallowed and enters airways. Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Specific test data for the substance or mixture is not available.

Symptoms related to physical, chemical and toxicological characteristics

Symptoms	: Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Erythema (skin redness). May cause redness and tearing of the eyes.
Acute toxicity	: No information available.

Numerical Measures of Toxicity

Following ATE values have been calculated for the mixture:

ATEmix (oral)	10,438.90 mg/kg
ATEmix (dermal)	3,739.90 mg/kg
ATEmix (inhalation-dust/mist)	30.608 mg/L

Component information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates, hydrotreated heavy paraffinic 64742-54-7	> 15 g/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Solvent Naphtha 64742-95-6	= 8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 3400 ppm (Rat) 4 h
Polyolefin Alkyl phenol alkyl amine (CBI #03498625)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
1,2,4-trimethylbenzene 95-63-6	= 3280 mg/kg (Rat)	> 3440 mg/kg (Rat)	= 18 g/m3 (Rat) 4 h
Mesitylene 108-67-8	-	-	= 24 g/m3 (Rat) 4 h
2-ethylhexanol 104-76-7	= 3730 mg/kg (Rat)	= 1980 mg/kg (Rabbit)	> 227 ppm (Rat) 6 h
Cumene 98-82-8	= 1400 mg/kg (Rat)	= 12300 µL/kg (Rabbit)	> 3577 ppm (Rat) 6 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	: Causes skin irritation. Classification based on data available for ingredients.
Serious eye damage/eye irritation	: No information available.
Respiratory or skin sensitization	: No information available.
Germ cell mutagenicity	: This substance is not classified as a mutagen because it contains <0.1% w/w of Benzene.



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Carcinogenicity

: Suspected of causing cancer. Contains a known or suspected carcinogen. Classification based on data available for ingredients. Petroleum products are known to cause cancer because of carcinogenic components (e.g. benzene). These carcinogenic components may be removed during the refinement process.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Distillates, hydrotreated heavy paraffinic 64742-54-7	A2 - Suspected human carcinogen	Group 1 – Carcinogenic to humans	Known human carcinogen	Present
1,2,4-trimethylbenzene 95-63-6	A4 - Not classifiable as a human carcinogen			
2-ethylhexanol 104-76-7	A3 - Confirmed animal carcinogen (with unknown relevance to humans)			
Cumene 98-82-8	A3 - Confirmed animal carcinogen (with unknown relevance to humans)	Group 2B – Possibly carcinogenic to humans	Reasonably anticipated to be a human carcinogen	Present

Reproductive toxicity : No information available.
STOT – single exposure : No information available.
STOT – repeated exposure : No information available.
Aspiration hazard : May be fatal if swallowed and enters airways.
Other adverse effects : No information available.
Interactive effects : No information available.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity : Harmful to aquatic life with long lasting effects.

Aquatic ecotoxicity Component Information

Chemical Name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Distillates, hydrotreated heavy paraffinic	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	EC50: >1000mg/L (48h, Daphnia magna)	-	-
Solvent Naphtha	LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	EC50: =6.14mg/L (48h, Daphnia magna)	-	v
1,2,4-trimethylbenzene	LC50: 7.19 - 8.28mg/L (96h, Pimephales promelas)	EC50: =6.14mg/L (48h, Daphnia magna)	-	-
Mesitylene	LC50: =3.48mg/L (96h, Pimephales promelas)	-	-	-
2-ethylhexanol	LC50: 32 - 37mg/L (96h, Oncorhynchus mykiss) LC50: >7.5mg/L (96h, Oncorhynchus mykiss) LC50: 27 - 29.5mg/L (96h, Pimephales promelas) LC50: =29.7mg/L (96h, Pimephales promelas) LC50: 10.0 - 33.0mg/L (96h, Lepomis macrochirus)	EC50: =39mg/L (48h, Daphnia magna)	EC50: =11.5mg/L (72h, Desmodesmus subspicatus)	-
Cumene	LC50: 6.04 - 6.61mg/L (96h, Pimephales promelas) LC50: =4.8mg/L (96h, Oncorhynchus mykiss) LC50: =2.7mg/L (96h, Oncorhynchus mykiss) LC50: =5.1mg/L (96h, Poecilia reticulata)	EC50: =0.6mg/L (48h, Daphnia magna) EC50: 7.9 - 14.1mg/L (48h, Daphnia magna)	EC50: =2.6mg/L (72h, Pseudokirchneriella subcapitata)	EC50 = 0.89 mg/L 5 min EC50 = 1.10 mg/L 15 min EC50 = 1.48 mg/L 30 min EC50 = 172 mg/L 24 h

Terrestrial ecotoxicity



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Component Information

Chemical Name	Earthworm	Avian	Honeybees
Solvent Naphtha	-	Dietary Toxicity: LC50 > 6500 ppm (Colinus virginianus, 5 Days) Acute Oral Toxicity: LD50 > 2250 mg/kg (Colinus virginianus)	-
1,2,4-trimethylbenzene	-	Dietary Toxicity: LC50 > 6500 ppm (Colinus virginianus, 5 Days) Acute Oral Toxicity: LD50 > 2250 mg/kg (Colinus virginianus)	-

Persistence and degradability : No information available.

Bioaccumulative potential :

Chemical Name	Partition coefficient	Bioconcentration factor (BCF)	Trophic magnification factor (TMF)
1,2,4-trimethylbenzene	3.63	-	-
2-ethylhexanol	2.9	-	-
Cumene	3.55	35.5	-

Mobility in soil : No information available.

Other adverse effects : No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues/unused products : Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging : Do not reuse empty containers.

California Hazardous Waste Status : This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14. TRANSPORTATION INFORMATION

Department of Transportation (DOT)

In accordance with DOT : NOT REGULATED FOR TRANSPORT.

SECTION 15. REGULATORY INFORMATION

International Inventories : Contact supplier for inventory compliance status.

US Federal regulations

SARA 313

: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 – Threshold Values %
1,2,4-trimethylbenzene - 95-63-6	1.0
Cumene - 98-82-8	0.1

SARA 311/312 Hazard Categories : Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

Clean Water Act (CWA) : This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act (CAA) : This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

CERCLA : This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

International 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

US State regulations

California : This product contains the following Proposition 65 chemicals:

Chemical Name	California Proposition 65
Cumene - 98-82-8 (>.125 - < .25%)	Carcinogen
Benzene - 71-43-2 (<.025%)	Carcinogen Developmental



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Naphthalene - 91-20-3 (<.025%)	Male Reproductive Carcinogen
Furan - 110-00-9 (<.00025%)	Carcinogen
Acetaldehyde - 75-07-0 (<.000025%)	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1,2,4-trimethylbenzene 95-63-6	X	X	X
2-ethylhexanol 104-76-7	-	X	X
Mesitylene 108-67-8	-	X	-
Xylene 1330-20-7	X	X	X
Cumene 98-82-8	X	X	X
Cymenes 25155-15-1	X	-	-

U.S. EPA Label Information

EPA Pesticide Registration Number: : Not applicable.

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer: : Not applicable.

The Stockholm Convention on Persistent Organic Pollutants: : Not applicable.

The Rotterdam Convention : Not applicable.

SECTION 16. OTHER INFORMATION

NFPA	Health Hazards 2	Flammability 2	Instability 0	Special Hazards -
HMIS	Health Hazards 3*	Flammability 2	Physical Hazards 0	Personal Protection -

*Chronic Health Hazard.

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of Sea Foam Sales Company's knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.