

# Chemical Safety Data Sheet

Prepared based upon GB/T 16483-2008 and GB/T 17519-2013 Standards

Sea Foam Deep Creep Premium Penetrating Oil & Lubricant

V1.0

Effective on: May 12, 2020

Revision Date: May 12, 2020

SDS NO.: CSSS-TCO-010-140825

## SECTION 1. IDENTIFICATION

<b>Chinese Name:</b>	喜孚深渗优质除锈润滑剂
<b>English Name:</b>	Sea Foam Deep Creep Premium Penetrating Oil & Lubricant
<b>Other Name:</b>	N/A
<b>Product Code(s):</b>	DC14CN
<b>Ingredient Information:</b>	Refer to SECTION 3
<b>Recommended Use of the Chemical and Restriction on Use</b>	
<b>Recommended Use:</b>	For automobile, hardware products and etc. Cleaning, rust prevention and lubrication,
<b>Restriction:</b>	N/A
<b>Supplier's Detailed Information</b>	
<b>Name:</b>	Sea Foam International, Inc.
<b>Address:</b>	812 Burlington Drive, Suite 100 Bismarck, ND USA 58504
<b>Email:</b>	-
<b>Telephone:</b>	+1(701)751-7363
<b>Fax:</b>	-
<b>24 Hr. Emergency Number</b>	0532-8388-9090



## 2 SECTION 2. HAZARDS IDENTIFICATION

**Emergency Overview:** Clear liquid contained in a pressurized aerosol can. Petroleum hydrocarbon odor. Extremely flammable aerosol. Vapors are heavier than air and collect in confined and low-lying areas. Contains gas under pressure; may explode if heated. Decomposition products include carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke. May be fatal if swallowed and enters airways. Causes eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness.

### GHS Hazardous Classification:

<b>Physical Hazard</b>	Aerosol	Category 1
<b>Health Hazard</b>	Serious eye damage/eye irritation	Category 2B
	Specific target organ toxicity single exposure	Category 3
	Aspiration toxicity	Category 1
<b>Environmental Hazard</b>	Not such	

### Label Elements

#### Pictograms:



#### Signal Word:

DANGER!

#### Hazard Statement(s):

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Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
May be fatal if swallowed and enters airways.  
Causes eye irritation.  
May cause respiratory irritation.  
May cause drowsiness and dizziness.

## Precautionary Statement(s)

### Precautions:

Keep away from heat, sparks and open flame - No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.  
Avoid breathing dust/fume/gas/mist/vapor/spray.  
Use only outdoors or in a well-ventilated area.

### Incident Response:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.  
Call a POISON CENTER or doctor/physician if you feel unwell.  
Do NOT induce vomiting.  
If eye irritation persists, get medical advice/attention.

### Safe Storage:

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### Disposal:

Dispose of contents/container in accordance with local regulation.

## Physical and Chemical Hazards:

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Vapors are heavier than air and collect in confined and low-lying areas.  
Contains gas under pressure; may explode if heated. Decomposition products include carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke.

### Health Hazard:

May be fatal if swallowed and enters airways. Causes eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness.

### Environmental Hazard:

No obvious harm to water environment.

### Other Hazard:

GB30000.2-29.  
Other hazards, out of the scope of those are listed in GB30000.2-29, are not detected.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture/Article:

Mixture

Ingredients:

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Chemical Name	CAS #	Concentration
Hydrocarbon blend	-	< 95%
Isopropanol	67-63-0	10.0 30.0 %
Carbon dioxide	124-38-9	3.0 - 7.0 %

Unlisted ingredients include: 1) unclassified ingredients, 2) ingredients those are below the concentration limit required in Section 3.3 of GB/T 17519.

## SECTION 4. FIRST-AID MEASURES

<b>Inhalation:</b>	Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
<b>Skin Contact:</b>	Remove the contaminated clothing. Rinse with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Not a likely route of exposure. Seek immediate medical attention/advice. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
<b>Most likely symptoms and effects, both acute and delayed:</b>	May be fatal if swallowed and enters airways. Causes eye irritation. May cause respiratory irritation. May cause drowsiness and dizziness.
<b>Personal Protection for First Responders:</b>	Be sure to let medical personnel aware of the substance involved and take precautions to protect themselves.
<b>Special tips for doctors:</b>	Provide general supportive measures and treat the symptoms. In case of shortness of breath, give oxygen. Keep the victim warm. Observe the patient. Symptoms may occur with delay.

## SECTION 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media</b>	
<b>Suitable Extinguishing Media:</b>	Dry chemical, anti-soluble foam, carbon dioxide and water fog.
<b>Unsuitable Extinguishing Media:</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Special Hazards arising from the substance or Mixture/Conditions of Flammability:</b>	Extremely flammable aerosol. Vapors are heavier than air and collect in confined and low-lying areas. Closed containers are contained under pressure and may explode if exposed to excess heat for a prolonged period of time. Decomposition products include carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke.
<b>Special Precautions and Protective Measures for Firefighters:</b>	Firefighters should wear self-contained breathing apparatus and full-body protective gears to put out the fire from the upwind direction. Move containers from fire area to open area, if safe to do so. Water spray may be useful in cooling

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equipment exposed to heat and flame, and release vapors. Isolate the accident scene and restrict access to area. Contain and deal with the fire water to prevent possible environmental pollution.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:** All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 8.

**Environmental Precautions:** Avoid release to the environment. In case of spillage into drainage system/aquatic environment, local authority department shall be notified. Where safe to do so, take steps to prevent further leakage or spillage. Prevent runoff into water body, drains, sewers, basements, or confined spaces.

**Methods and Materials for Containment and Cleaning up** Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools. Soak up with inert absorbent material. Do not use combustible absorbents, such as sawdust. Pick up and transfer to properly labeled containers.

**Precautions to prevent secondary hazards from occurring:** Clean up spills immediately and prevent any further spills.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

**Local or General Ventilation:** Use only at areas with local ventilation or general ventilation facilities.

**Instructions for Safe Operation:** Operators shall follow operating procedures and use personal protective equipment recommended in Section 8 of this SDS.

**Precaution Methods:** Use only in well-ventilated areas. Avoid breathing vapor or mist. Avoid contact with eyes, skin, and clothing. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks, and open flame. - No smoking. Take precautionary measures against static discharges. Use explosion-proof ventilating equipment. Always replace cap after use. Do not eat, drink, or smoke when using this product. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Wash thoroughly after handling.

### Storage Precautions

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area. Store locked up. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. No smoking. Protect from sunlight. Have appropriate fire extinguishers and spill clean-up equipment in or near storage area.

**Incompatible Materials:** Strong oxidizing agents; Acids; Caustics.  
Store in the original container.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	(CAS#67-63-0): OELs (mg/m <sup>3</sup> ): PC-TWA: 350, PC-STEL: 700 (CAS#124-38-9): OELs (mg/m <sup>3</sup> ): PC-TWA: 9000, PC-STEL: 18000 According to GBZ 2.1, isopropanol (CAS#67-63-0): OELs (mg/m <sup>3</sup> ): PC-TWA: 350, PC-STEL: 700 carbon dioxide (CAS#124-38-9): OELs (mg/m <sup>3</sup> ): PC-TWA: 9000, PC-STEL: 18000
<b>Biological Limit:</b>	No relevant standards have been developed.
<b>Ventilation and Engineering Measures:</b>	Provide local or general ventilation. Assure there is a safe place to shower, necessary facility to rinse eyes and body parts and safe care spot at the operation site.
<b>Personal Protection Equipment</b>	
<b>Respiratory Protection:</b>	If the TLV is exceeded, a NIOSH/MSHA-approved respirator is advised.
<b>Hand Protection:</b>	Gloves impervious to the material are recommended.
<b>Eye Protection:</b>	Chemical splash goggles must be worn when handling this material. A full-face shield may also be necessary.
<b>Skin and Body Protection:</b>	Based on the condition of use, an impervious apron shall be worn.
<b>General Hygiene Considerations:</b>	Avoid contact with eyes, skin, and clothing. Wash hands after handling. Do not eat or drink at the operation site.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Traits:</b>	Clear liquid, contained in a pressurized aerosol can.
<b>Odor:</b>	Petroleum hydrocarbon odor/solvent.
<b>Odor Threshold:</b>	No information available.
<b>Molecular Formula:</b>	Inapplicable to mixture.
<b>Relative Molecular Weight:</b>	Inapplicable to mixture.
<b>Melting/Freezing Point (°C)</b>	No information available.
<b>Boiling Point/Initial Boiling Point (°C)</b>	180° F
<b>Density:</b>	No information available.
<b>Relative Density (water=1)</b>	0.77 (condensate)
<b>Saturated Vapor Pressure (kPa):</b>	80 - 90 psig
<b>N-octanol/Water Partition Coefficient:</b>	No information available.
<b>Solubility in Water</b>	Slightly soluble
<b>Solubility in Organic Solvents</b>	No information available.
(°C) : <b>Flash Point (°C)</b>	54°F
(°C) : <b>Auto-ignition Temperature(°C)</b>	No information available.
<b>Combustion Limit-Lower Limit (%)</b>	No information available.
<b>Combustion Limit-Upper Limit (%)</b>	No information available.
<b>Decomposition Temperature (°C)</b>	No information available.

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<b>Flammability (Solid, Gas):</b>	No information available.
<b>Explosive:</b>	Non-explosive
<b>Oxidative:</b>	No information available.
<b>Explosion Limit-Lower Limit (%)</b>	2.1 (propellant)
<b>Explosion Limit-Upper Limit (%)</b>	8.5 (propellant)
<b>pH:</b>	No information available.
<b>Viscosity (mPa · S)</b>	No information available.
<b>Relative Vapor Density (air=1)</b>	> 1
<b>Relative Evaporation Rate (n-butyl acetate=1)</b>	> 1 slower than ether
<b>Heat of Combustion:</b>	34 kJ/g
<b>Flame Throw Length:</b>	> 15 cm and < 100 cm

## SECTION 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization does not occur under normal use conditions.
<b>Conditions to Avoid:</b>	Avoid contact with incompatible materials. Avoid heat and open flame.
<b>Incompatible Materials:</b>	Strong oxidizing agents; Acids; Caustics.
<b>Hazardous Decomposition Products:</b>	carbon oxides; nitrogen oxides (NOx); Sulphur oxides; other unidentified organic compounds; irritating fumes and smoke.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity:

#### Isopropanol (CAS#67-63-0)

<b>LD50 (oral, rat):</b>	5.84 g/kg
<b>LD50 (percutaneous, rabbit):</b>	16.4 mL/kg bw
<b>LC50 (inhalation, rat):</b>	No information available.

<b>Skin Irritation or Corrosion:</b>	Not such.
<b>Eye Irritation or Corrosion:</b>	Causes eye irritation.
<b>Respiratory or Skin Allergy:</b>	Not such.
<b>Germ Cell Mutagenicity:</b>	Not such.
<b>Carcinogenicity:</b>	Not such.
<b>Reproductive effects and teratogenicity:</b>	Not such.
<b>Specific Target Organ Toxicity-Single Exposure</b>	May cause respiratory irritation. May cause drowsiness or dizziness.
<b>Specific Target Organ Toxicity-Repeated Exposure</b>	Not such.
<b>Aspiration Hazard:</b>	May be fatal if swallowed and enters airways.

## SECTION 12. ECOLOGICAL INFORMATION

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## Ecotoxicity

### Isopropanol (CAS#67-63-0)

LC50 (fish, 96h):	9640 mg/L
EC50 (flea, 48h):	No information available.
EC50 (algae, 72h):	No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation Potential:** No information available.

**Mobility in Soil:** No information available.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Waste Chemicals:** Recycle as much as possible. If it cannot be recycled, dispose it by incineration. Do not dispose the product by channeling it into the sewer.

**Contaminated Packaging:** There could be product residue left in the empty container or the liner, therefore be aware of the warning label even if dealing with empty containers. These materials and containers shall be disposed in a safe manner. Return empty containers to the manufacturer or send them to a state/regional approved waste disposal facility.

**Disposal Precautions:** Before disposal, please recycle the waste chemical in accordance with the relevant national or regional laws and regulations, or place it in a sealed container before sending to a state/regional approved waste disposal facility.

## SECTION 14. TRANSPORTATION INFORMATION

**United Nations Dangerous Goods Number** UN1950  
(UN No.)

**UN Proper Shipping Name:** Aerosol

**UN Hazard Class(es):** 2.1

**Packing Group:** -

**Marine Pollutants (Yes/No):** No

### Cautions During Transportation:

—The tank truck used for transportation shall be equipped with a grounding chain, and partitions with holes can be placed in the tank so as to reduce unnecessary movement that would generate static electricity;

—The exhaust pipe of the vehicle carrying this item must be equipped with a flame arrester, and the use of mechanical equipment and tools that are prone to sparks is prohibited for loading and unloading;

—It is strictly forbidden to mix and transport with oxidizing agents, food chemicals and etc.

—During the transportation, it shall be protected from exposure to sunlight, rain, and heat, and if it is summertime, it is best to arrange the transportation in the morning and evening;

—During the stopover, stay away from fire, heat sources and high temperature areas;

—When transporting by road, drive by the route, and do not stop at any residential areas and densely populated places;

—When transporting by rail, it is forbidden to do humping;

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—Vehicles for transportation shall be equipped with firefighting equipment and spillage/leakage emergency handling equipment of the proper variety and quantity.

## SECTION 15. REGULATORY INFORMATION

It is regulated in the following laws, regulations, rules and standards, over the management of the chemical:

Laws and Regulations	List/Catalog Involved	Details
Regulation on the Safety Management of Hazardous Chemicals	List of Dangerous Articles	Hydrocarbon mixture unknown, isopropanol, carbon dioxide listed
	Inventory of Dangerous Articles under the Key Supervision (first batch) <sup>1</sup>	Hydrocarbon mixture unknown, isopropanol, carbon dioxide not listed
Measures for Environment Management of New Chemical Substances	Inventory of Existing Chemical Substances in China	Hydrocarbon mixture unknown, isopropanol, carbon dioxide listed
Provisions on the Environmental Administration of First Import of Chemicals and Import and Export of Toxic Chemicals	Catalog of China Strictly Restricted Import and Export of Toxic Chemicals	Hydrocarbon mixture unknown, isopropanol, carbon dioxide not listed

## SECTION 16. OTHER INFORMATION

### Drafting and Revision Information:

The previous version of SDS is revised in accordance with the standards of Safety Data Sheet for Chemical Products-Content and Order of Sections" (GB/T16483) and Guidance on the Compilation of Safety Data Sheet for Chemical Products" (GB/T17519).

### Abbreviations and Acronyms:

CAS: Chemical Abstracts Number

LC50: Median Lethal Concentration

EC50: Half Effect Concentration

LD50: Median Lethal Dose

PC-TWA: Permissible Concentration - Time-weighted Average, the average permissible exposure contraction of 8h workday, 40h workweek specified with time as the weight.

PC-STEL: Permissible Concentration - Short-Term Exposure Limit, refers to the concentration that permits short-term (15 minutes) exposure under the premise of complying with PC-TWA

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

RID: European Agreement Concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ICAO-TI: International Civil Aviation Organization <Convention on International Civil Aviation>

<sup>1</sup> It is translated by Kelly here, not necessarily the official English name used in the regulation.



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## Disclaimer:

The information in this Safety Data Sheet (SDS) applies to the product specified only, unless otherwise suggested, it does not apply to the mixture of the product and other substance(s). This Safety Data Sheet (SDS) is prepared based upon all currently known information, and the author will not be responsible for the long-term timeliness of it. This safety Data Sheet (SDS) is intended only for reference of the product operators who are properly trained in the respect of the safe use of the product. Users of this Safety Data Sheet (SDS) must make independent judgments on the applicability of the document under special conditions of use. In special occasions of use, the author of this Safety Data Sheet (SDS) will not be held responsible for any injuries caused by the use of this Safety Data Sheet (SDS). Every product user shall read the content of this Safety Data Sheet (SDS) carefully before the operation. For more information to ensure proper evaluation, please contact the product supplier.

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