DEEP CREEP
SAFETY DATA SHEET

according to the Hazardous Products Regulation (11 February 2015)

SECTION 1. IDENTIFICATION

Product name : **Sea Foam Deep Creep**

Product code : DC14CA

Product form : Mixture.

Recommended use and restrictions : Lubricating and penetrating oil.
Consumer use, Professional use

Manufacturer : **Sea Foam International, Inc.**
812 Burlington Drive, Suite 100
Bismarck, ND USA 58504
T 701-753-7363

Supplier : Refer to Manufacturer

Emergency telephone number : +INFOTRAC - (800) 535-5053 (Within Continental US) (8:30am-4:30pm, Mon to Fri, CST); +1 (352) 323-3500 (Outside US) NOTE: INFOTRAC emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS CA classification

Flam. Aerosol 1	H222
Press. Gas (Comp.)	H280
Asp. Tox. 1	H304
Simple Asphy	

GHS label elements, including precautionary statements

Hazard pictograms (GHS CA)

Signal word (GHS CA)

DANGER

Hazard statements (GHS CA)

H222 - Extremely flammable aerosol.

H280 - Contains gas under pressure; may explode if heated.

H304 - May be fatal if swallowed and enters airways.

May displace oxygen and cause rapid suffocation.

Precautionary statements (GHS US)

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

P102 - Keep out of reach of children.

P103 - Read label before use.

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.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 - Do NOT induce vomiting.

P405 - Store locked up.

P403 - Store in a well-ventilated place.

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 which do not result in classification

No additional information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Name	Product Identifier	% wt
Petroleum distillates	*	*
Hydrocarbon-based solvent	*	*
Petroleum-based oxidate	*	*
Isopropyl alcohol	(CAS-No.) 67-63-0	5 – 10
Carbon dioxide	(CAS-No.) 124-38-9	1 – 5
Petroleum-based anti-oxidant	*	*

*The specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret. Refer to Section 15 for additional information regarding the HMIRA trade secret claim. HMIRA Registry Number: 03343838 - Filing Date 2019.10.01

SECTION 4. FIRST-AID MEASURES

Description of first-aid measures

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.

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 skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation 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.

Most important symptoms and effects, both acute and delayed

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.

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May displace oxygen and cause rapid suffocation.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

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.

Indication of any immediate medical attention and special treatment needed

: 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. Alcohol foam. Carbon dioxide. 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

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 : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

Special protective equipment and precautions for fire-fighters

Protective equipment for fire-fighters : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Special fire-fighting procedures : 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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: 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.

Methods and material 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 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.

References to other sections : For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with eyes, skin and clothing. Avoid breathing vapours, mist. 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 in well ventilated areas. Take precautionary measures against static discharge. Use explosion-proof equipment.

Hygiene measures : Wash contaminated clothing 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 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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store locked up. Keep in fireproof place.

Incompatible materials : Heat sources. Strong oxidizing agents. Acids. Caustics.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Isopropyl alcohol (67-63-0)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	200 ppm
ACGIH OEL STEL [ppm]	400 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI	40 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift at end of workweek (background, nonspecific)

Carbon dioxide (124-38-9)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	5000 ppm
ACGIH OEL STEL [ppm]	30000 ppm

Appropriate engineering controls : Provide local exhaust or general room ventilation. Provide readily accessible eye wash stations and safety showers. Use explosion-proof equipment.

Environmental exposure controls : Avoid release into the environment.

Hand protection : Wear suitable gloves.

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.

Skin and body protection : Wear suitable protective clothing.

Eye/face protection : Safety glasses or goggles are recommended when using product.

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Liquid.

Appearance:
Aerosol.

Colour:
Clear, Colourless.

Odour:
Petroleum hydrocarbon (solvent).

Odour threshold:
No data available.

pH:
No data available.

Melting/Freezing point:
No data available.

Boiling point:
82.2 °C/180 °F

Flash point:
12.2 °C/54 °F

Relative evaporation rate (butylacetate = 1):
No data available.

Relative evaporation rate (ether=1):
> 1 (slower than ether)

Flammability (solid, gas):
Extremely flammable aerosol.

Vapour pressure:
80 – 90 psig

Vapour density at 50 °C:
No data available.

Relative vapour density at 20 °C:
> 1 (heavier than air)

Relative density:
0.77 (concentrate)

Solubility:
Slightly soluble in: water

Partition coefficient: n-octanol/water:
No data available.

Auto-ignition temperature:
No data available.

Decomposition temperature:
No data available.

Viscosity, kinematic:
No data available.

Lower explosive limit (LEL):
2.1 (propellant)

Upper explosive limit (UEL):
8.5 (propellant)

Explosive properties:
Not explosive.

Heat of combustion:
34 kJ/g

Gas group:
Compressed gas

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reactions known under normal conditions of use.

Chemical stability : 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.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : Heat. Incompatible materials. Sparks. Open flame. Direct sunlight. Sources of ignition.

Incompatible materials : Strong oxidizing agents. Acids. Caustics.

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.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity (oral) : Not classified.

Acute toxicity (dermal) : Not classified.

Acute toxicity (inhalation) : Not classified.

Isopropyl alcohol (67-63-0)	
LD50 oral rat	5840 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat	72600 mg/m³ (Exposure time: 4 h)
ATE CA (oral)	5840 mg/kg body weight
ATE CA (dermal)	4059 mg/kg body weight
ATE CA (vapours)	72.6 mg/l/4h
ATE CA (dust, mist)	72.6 mg/l/4h

Petroleum-based oxidate (Trade Secret)	
LD50 oral rat	> 15 g/kg
LD50 dermal rabbit	> 5000 mg/kg

Petroleum-based anti-oxidant (Trade Secret)	
LD50 oral rat	> 15850 mg/kg
LD50 demral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
LD50 dermal rabbit	> 10000 mg/kg

Hydrocarbon based solvent (Trade Secret)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat	> 5.2 mg/l/4h

Petroleum distillates (Trade Secret)	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)

Skin corrosion/irritation : Not classified.

Serious eye damage/irritation : Not classified.

Respiratory or skin sensitization : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified.

Hydrocarbon-based solvent (Trade Secret)	
NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male

STOT-single exposure : Not classified.

Isopropyl alcohol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified.

Petroleum-based oxidate (Trade Secret)	
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)

Hydrocarbon-based solvent (Trade Secret)	
NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Petroleum distillates (Trade Secret)	
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)
NOAEL (dermal, rat/rabbit, 90 days)	≈ 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Aspiration hazard : May be fatal if swallowed and enters airways.

Sea Foam Deep Creep	
Vaporizer	Aerosol

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. May displace oxygen and cause rapid suffocation.

Symptoms/effects after skin contact : May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

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.

Isopropyl alcohol (67-63-0)	
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)

Petroleum-based oxidate (Trade Secret)	
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)

Petroleum-based anti-oxidant (Trade Secret)	
LC50 - Fish [1]	> 1000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 - Crustacea [1]	140 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	> 0.0028 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 0.00093 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Hydrocarbon-based solvent (Trade Secret)	
LC50 - Fish [1]	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

Persistence and degradability

Sea Foam Deep Creep : Not established.

Bioaccumulative potential

Sea Foam Deep Creep : Not established.

Isopropyl alcohol (67-63-0) : Partition coefficient n-octanol/water : 0.05 (at 25 °C)

Carbon dioxide (124-38-9) : BCF – Fish [1] : (no bioaccumulation)

Petroleum distillates 2 (trade secret) : BCF – Fish [1] : 61 - 159

Mobility in soil

Isopropyl alcohol (67-63-0) : Partition coefficient n-octanol/water 0.05 (at 25 °C)

Ozone : Not classified.

Other adverse effects : No other effects known.

SECTION 13. DISPOSAL CONSIDERATIONS

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 TDG

UN-No. (TDG) : UN1950

TDG primary hazard classes : 2.1 - Class 2.1 - Flammable gas

Transport document description (TDG) : UN1950 AEROSOLS, 2.1

Proper shipping name (TDG) : AEROSOLS (each not exceeding 1L capacity)

Hazard labels (TDG) :

Transport information/DOT : No additoinal 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.

: Canada WHMIS Trade Secret Information : The HMIRA number associated with this claim is: 03343838. The date of filing is 2019.10.01.

International regulations : No additional information available.

SECTION 16. OTHER INFORMATION

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