

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product identifier Marine Silicone Lubricant

Product Code 99707 **MSDS Number** 6611 3.0 Version #

Issue date 12-20-2011 05-25-2016 **Revision date** 03-29-2016 Supersedes date

Marine Service Lubricant Product use

Not available. **Supplier**

2. Hazards Identification

DANGER **Emergency overview**

FLAMMABLE LIQUID AND VAPOR.

Flammable liquid - may release vapors that form flammable mixtures at or above the flash point.

CONTENTS UNDER PRESSURE.

Aerosol. Pressurized container may explode when exposed to heat or flame. Will be easily ignited by

heat, spark or flames. Irritating to eyes and skin.

Irritating to respiratory system. This is a consumer care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin

contact or eye contact.

Potential health effects

Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.

Contact with eyes may cause irritation. Avoid contact with eyes. **Eyes**

Skin May cause skin irritation. Avoid contact with the skin. Frequent or prolonged contact may defat and

dry the skin, leading to discomfort and dermatitis.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Irritating to

respiratory system. Prolonged inhalation may be harmful.

Exposure by ingestion of an aerosol is unlikely. Irritating. May cause nausea, stomach pain and Ingestion

vomiting. Small amounts of this product, if aspirated into the lungs, may cause mild to severe

pulmonary injury.

Chronic effects May cause central nervous system disorder (e.g., narcosis involving a loss of coordination,

weakness, fatigue, mental confusion and blurred vision) and/or damage. Frequent or prolonged

contact may defat and dry the skin, leading to discomfort and dermatitis.

Behavioral changes. Narcosis. Symptoms of overexposure may be headache, dizziness, tiredness, Signs and symptoms

nausea and vomiting. Decrease in motor functions. Symptoms may include redness, edema, drying,

defatting and cracking of the skin.

Potential environmental

effects

May cause long-term adverse effects in the environment.

Material name: Marine Silicone Lubricant MSDS CANADA 1/9

3. Composition / Information on Ingredients

Components	CAS #	Percent
HEPTANE (N-HEPTANE)	142-82-5	<60
Hydrotreated Light Distillates (petroleum)	64742-47-8	<25
CARBON DIOXIDE	124-38-9	1 - 5
Other components below reportable levels		<10

Composition comments Not applicable to consumer products.

4. First Aid Measures

First aid procedures

Inhalation Move to fresh air. Get medical attention, if needed.

Skin contact Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of

water. Get medical attention if irritation develops and persists.

Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO Eye contact

NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention if

irritation develops and persists.

In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth Ingestion

> thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into

the lungs. Never give liquid to an unconscious person.

General advice If you feel unwell, seek medical advice (show the label where possible). Ensure that medical

personnel are aware of the material(s) involved, and take precautions to protect themselves. Show

this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Flammable properties Flammable by OSHA criteria. Flammable by WHMIS criteria. Heat may cause the containers to

explode. Vapors may travel considerable distance to a source of ignition and flash back.

Extinguishing media

Suitable extinguishing

media

Powder. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO2).

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Specific hazards arising

from the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Protective equipment for

firefighters

Fire fighting

equipment/instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these

materials, if spilled, may evaporate leaving a flammable residue.

Explosion data

Sensitivity to static

discharge

Not available.

Sensitivity to mechanical

impact

Not available.

Hazardous combustion

products

99707

Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Consider initial downwind evacuation for at least 500 meters (1/3 mile). Keep unnecessary Personal precautions

personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces

before entering them. For personal protection, see section 8 of the MSDS.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

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Methods for containment

Methods for cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

Should not be released into the environment. This product is miscible in water. Stop the flow of material, if this is without risk. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Scrub the area with detergent and water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Clean up in accordance with all applicable regulations. For waste disposal, see section 13 of the MSDS.

Other information

Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing mist or vapor. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. When using do not eat or drink. Use only in area provided with appropriate exhaust ventilation. Wash thoroughly after handling. Avoid release to the environment.

Storage

Level 1 Aerosol.

Contents under pressure. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in a well-ventilated place. Refrigeration recommended. Keep out of the reach of children. Keep in an area equipped with sprinklers. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the MSDS).

Value

Form

8. Exposure Controls / Personal Protection

Occupational exposure limits

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Hyd	rotre	at
Disti	illate	S
647	42-4	7-
US.	ACC	ì
Con	npor	ne

ACGIH Components

Components	1,700	Value	
Hydrotreated Light	TWA	200 mg/m3	As Total Hydrocarbon
Distillates (petroleum) (CAS		_	Vapor.
64742-47-8)			
US. ACGIH Threshold Limit Val	ues		
Components	Туре	Value	
CARBON DIOXIDE (CAS	STEL	30000 ppm	

CARBON DIOXIDE (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm
HEPTANE (N-HEPTANE) (CAS 142-82-5)	STEL	500 ppm
,	TWA	400 ppm

Type

Canada. Alberta OELs (Occ	upational Health & Safety Code, Sc	hedule 1, Table 2)
Components	Туре	Value

Components	Туре	Value	Form
CARBON DIOXIDE (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
HEPTANE (N-HEPTANE) (CAS 142-82-5)	STEL	2050 mg/m3	
,		500 ppm	
	TWA	1640 mg/m3	
		400 ppm	
Hydrotreated Light Distillates (petroleum) (CAS 64742-47-8)	TWA	200 mg/m3	Vapor.

Material name: Marine Silicone Lubricant

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Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	Form
CARBON DIOXIDE (CAS 124-38-9)	STEL	15000 ppm	
	TWA	5000 ppm	
HEPTANE (N-HEPTANE) (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Hydrotreated Light Distillates (petroleum) (CAS 64742-47-8)	TWA	200 mg/m3	Non-aerosol.
Canada. Manitoba OELs (R	eg. 217/2006, The Workplace	e Safety And Health Act)	
Components	Туре	Value	
CARBON DIOXIDE (CAS 124-38-9)	STEL	30000 ppm	
	TWA	5000 ppm	
HEPTANE (N-HEPTANE) (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
•	ntrol of Exposure to Biologica	al or Chemical Agents)	
Components	Туре	Value	
CARBON DIOXIDE (CAS 124-38-9)	STEL	30000 ppm	
•	TWA	5000 ppm	
HEPTANE (N-HEPTANE) (CAS 142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Canada. Quebec OELs. (Mii Components	nistry of Labor - Regulation R Type	especting the Quality of the Work Value	Environment)
CARBON DIOXIDE (CAS 124-38-9)	STEL	54000 mg/m3	
		30000 ppm	
	TWA	9000 mg/m3	
		5000 ppm	
HEPTANE (N-HEPTANE)	STEL	2050 mg/m3	
(CAS 142-82-5)		500 ppm	
	TWA	1640 mg/m3	
	IWA	400 ppm	
UC OCUA T-bl- 7 4 limits	f Ni Otit- (20 OF	• • •	
Components	for Air Contaminants (29 CFI Type	Value	
CARBON DIOXIDE (CAS 124-38-9)	PEL	9000 mg/m3	
		5000 ppm	
HEPTANE (N-HEPTANE)	PEL	2000 mg/m3	
(CAS 142-82-5)			
(CAS 142-82-5)		500 ppm	
,	No biological exposure limits no	• • • • • • • • • • • • • • • • • • • •	
(CAS 142-82-5) ogical limit values osure guidelines	No biological exposure limits no	• • • • • • • • • • • • • • • • • • • •	
ogical limit values	- '	• • • • • • • • • • • • • • • • • • • •	

Canada - British Columbia OELs: Skin designation

Hydrotreated Light Distillates (petroleum) (CAS Can be absorbed through the skin.

64742-47-8)

Canada - Ontario OELs: Skin designation

Hydrotreated Light Distillates (petroleum) (CAS Can be absorbed through the skin.

64742-47-8)

Canada - Saskatchewan OELs: Skin designation

Hydrotreated Light Distillates (petroleum) (CAS Can be absorbed through the skin.

64742-47-8)

Engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should

be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate

ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection Wear suitable protective clothing.

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an **Respiratory protection**

air-supplied respirator.

Hand protection Wear protective gloves.

9. Physical & Chemical Properties

Appearance Oily. Physical state Liquid. **Form** Aerosol.

Color Translucent. White.

Petroleum Odor Odor threshold Not available. Hq Not available.

Vapor pressure 2542.83 hPa estimated

Density 595.00 kg/m³ Vapor density Not available. 208.4 °F (98 °C) **Boiling** point

-131.08 °F (-90.6 °C) estimated Melting point/Freezing point

Solubility (water) Negligible Solubility (other) Hydrocarbons

Specific gravity 0.6

Relative density Not available.

Flash point 30.2 °F (-1.0 °C) Pensky-Martens Closed Cup

Flammability limits in air,

upper, % by volume

5 % estimated

Flammability limits in air,

lower, % by volume

Evaporation rate

0.7 % estimated

Not available.

Auto-ignition temperature Not available.

VOC 59.1 %

2.57 cSt ASTM D445 Viscosity

Viscosity temperature 104 °F (40 °C)

59.1 % Percent volatile

Partition coefficient Not available.

(n-octanol/water)

10. Chemical Stability & Reactivity Information

Chemical stability Risk of explosion.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Material name: Marine Silicone Lubricant 99707

Hazardous decomposition

products

Irritants. At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

Possibility of hazardous

reactions

Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Product	Species	Test Results
Marine Silicone Lubricant		
<u>Acute</u>		
Dermal		
LD50	Rabbit	70000 g/kg estimated
Inhalation		
LC50	Rat	174 mg/l, 4 Hours estimated
LD50	Mouse	127 mg/l, 2 Hours estimated
Oral		
LD50	Guinea pig	8200 g/kg estimated
	Mouse	33333 g/kg estimated
	Rabbit	8271 g/kg estimated
	Rat	19467 g/kg estimated
Components	Species	Test Results

HEPTANE (N-HEPTANE) (CAS 142-82-5)

<u>Acute</u>

Inhalation

LC50 Rat 103 mg/l, 4 Hours LD50 Mouse 75 mg/l, 2 Hours

Acute effects Respiratory tract irritation.

Sensitization Not available.

Chronic effects Not expected to be hazardous by WHMIS criteria. Prolonged inhalation may be harmful. Repeated

absorption may cause disorder of central nervous system, liver, kidneys and blood.

Carcinogenicity Not available. Skin corrosion/irritation Not available. Serious eye Not available. damage/irritation

Mutagenicity Not available. Reproductive effects Not available. **Teratogenicity** Not available. Synergistic materials Not available.

12. Ecological Information

Ecotoxicological data

	Species	Test Results
LC50	Fish	11.3103 mg/l, 96 hours estimated
	Species	Test Results
AS 142-82-5)		
LC50	Mozambique tilapia (Tilapia mossambica) 375 mg/l, 96 hours	
	AS 142-82-5)	LC50 Fish Species AS 142-82-5)

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Components **Test Results Species**

Hydrotreated Light Distillates (petroleum) (CAS 64742-47-8)

Aquatic

Fish LC50 Rainbow trout donaldson trout 2.9 mg/l, 96 hours

(Oncorhynchus mykiss)

Ecotoxicity Contains a substance which causes risk of hazardous effects to the environment.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Aquatic toxicity Not available. Not available. Persistence and degradability

Partition coefficient

HEPTANE (N-HEPTANE) 4.66

Mobility in environmental This product is miscible in water.

media

13. Disposal Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under

pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into

sewers/water supplies. Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product

residues. This material and its container must be disposed of in a safe manner (see: Disposal

instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Do not re-use empty containers.

14. Transport Information

TDG

UN number UN1950

UN proper shipping name AEROSOLS, flammable (HEPTANE (N-HEPTANE), Solvent Naphtha, Petroleum, Light Aliphatic)

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group Not applicable.

Environmental hazards

Special precautions for Read safety instructions, MSDS and emergency procedures before handling.

user

IATA

UN number UN1950

UN proper shipping name Aerosols, flammable (HEPTANE (N-HEPTANE), Solvent Naphtha, Petroleum, Light Aliphatic)

Transport hazard class(es)

Class 2.1 Subsidiary risk

Not applicable. Packing group

Environmental hazards No. **ERG Code** 10L

Special precautions for

Other information

user

Read safety instructions, MSDS and emergency procedures before handling.

Passenger and cargo

Allowed with restrictions.

aircraft

Cargo aircraft only Allowed with restrictions.

IMDG

UN number UN1950

UN proper shipping name AEROSOLS (HEPTANE (N-HEPTANE), Solvent Naphtha, Petroleum, Light Aliphatic)

Transport hazard class(es)

Class 2.1 Subsidiary risk

Packing group

Environmental hazards

Not applicable.

Marine pollutant

No.

Not available. Special precautions for Read safety instructions, MSDS and emergency procedures before handling.

user

Transport in bulk according to Not available.

Annex II of MARPOL 73/78

and the IBC Code



15. Regulatory Information

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS

contains all the information required by the CPR.

WHMIS status Controlled

WHMIS classification B2 - Flammable Liquids

D2B - Other Toxic Effects-TOXIC

WHMIS labeling





International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

HMIS® ratings Health: 2*

Flammability: 3 Physical hazard: 0

Material name: Marine Silicone Lubricant

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A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

NFPA ratings Health: 2

Flammability: 3 Instability: 0

Disclaimer

Bel-Ray Company, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our 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.

Prepared by Not available.

Discover various motorcycle oils and chemicals in our online store.