

SAFETY DATA SHEET

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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Ship 2 Shore PLID FLOAT COAT			
Product Use: <i>Corrosion Inhibitor / Penetrant / Lubricant for Marine Environments – for non-ferrous or ferrous as well as dissimilar metals / wherever there is excessive moisture</i>			
Manufacturer's Name: Ship 2 Shore			
Street Address: P.O. Box 48205			
City: Victoria	Province: BC	Postal Code: V8Z 7H6	Emergency Telephone: 1-800-430-1533

SECTION 2 – HAZARDS IDENTIFICATION

Hazard pictograms:	
Three red diamond-shaped hazard pictograms are shown in a row. From left to right: 1. A black exclamation mark inside a red diamond. 2. A black flame inside a red diamond. 3. A black silhouette of a person with a starburst on their chest, indicating a health hazard, inside a red diamond.	
Signal word:	Warning
Hazard statement(s):	Causes skin irritation Causes serious eye irritation
Precautionary Statements – Prevention	
Wash thoroughly after handling.	
Wear eye protection/face protection.	
Wear protective gloves.	
Precautionary Statements – Response	
If on skin, wash with plenty of water.	
If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
If skin irritation occurs, get medical advice/attention.	
If eye irritation persists, get medical advice/attention.	
Take off contaminated clothing and wash it before reuse.	
Precautionary Statements – Storage	
Store in a well-ventilated place.	
Keep container tightly closed.	

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Precautionary Statements – Disposal

Dispose of contents/container in accordance with local, federal, and state regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	% by wt.	CAS Number
Distillates (petroleum), solvent-dewaxed heavy paraffinic	36-70	64742-65-0
Distillates (petroleum), hydrotreated heavy paraffinic	0-28	64742-54-7
Naphthalenesulfonic acid, dionyl-, calcium salt (2:1)	3-10	57855-77-3
Distillates, petroleum, hydrotreated light	4-9	64742-47-8
Stoddard solvent	1-6	8052-41-3
Carbonic acid calcium salt (1:1)	1-5	471-34-1
Other components below reportable levels	15-18	

SECTION 4 – FIRST AID MEASURES

EYE CONTACT:	Flush eyes with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.
SKIN CONTACT:	Remove excess by wiping then wash with plenty of soap and water. Remove contaminated clothing and wash before reuse.
INHALATION:	Remove victim to fresh air. Apply CPR if required. If resuscitation is required, assessment by a physician if mandatory.
INGESTION:	Do NOT induce vomiting. If vomiting occurs, take care to prevent aspiration. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Water fog, foam, dry chemical powder, carbon dioxide.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water stream as an extinguisher, as this will spread the fire.
SPECIFIC HAZARDS DURING FIREFIGHTING:	Cool closed containers exposed to fire with water spray.
COMBUSTION PRODUCTS:	Oxides of carbon, dense smoke, and possibly toxic fumes.
PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	Fire-fighters should always wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	For personal protective equipment, see Section 8.
ENVIRONMENTAL PRECAUTIONS:	Do not allow uncontrolled discharge of product into the environment.
METHOD FOR CONTAINMENT & CLEAN-UP:	Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Stop leak if without risk. Move containers from spill area. Shovel into suitable properly marked container for disposal or reclamation in accordance with local regulations.

SECTION 7 – HANDLING & STORAGE

HANDLING PROCEDURES:	Put on appropriate personal protective equipment. Eating, drinking, and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking, and smoking. Avoid contact with skin, eyes and clothing. Keep container away from heat, sparks, and open flame. Keep container closed when not in use.
STORAGE PROCEDURES:	Store in a cool, dry area out of direct sunlight. Containers should be tightly closed while in storage. Store separated from acids and oxidizing materials. Store away from sparks and open flames.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

CONTROL PARAMETERS:	Chemical name	CAS No.	ACGIH TLV
	Distillates, petroleum, hydrotreated light	64742-47-8	TWA: 200 mg/m ³ (as total hydrocarbon vapour)
	Stoddard solvent	8052-41-3	TWA: 100 ppm
ENGINEERING MEASURES:	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.		
PERSONAL PROTECTIVE EQUIPMENT			
RESPIRATORY PROTECTION:	In case of insufficient ventilation, use suitable respiratory equipment.		
EYE PROTECTION:	Wear safety goggles.		
SKIN & BODY PROTECTION:	Wear safety shoes and protective gloves. Wash contaminated clothing before reuse.		
HYGIENE MEASURES:	Remove and wash contaminated clothing and gloves. Ensure the eyewash stations and safety showers are close to the workstation location.		

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SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Brown
Odour	Mild hydrocarbon
Odour Threshold (ppm)	Not determined
pH	Not determined
Melting/freezing point (°C)	Not determined
Boiling point/boiling range (°C)	Not determined
Flash point (°C)	Not determined
Evaporation Rate	Not determined
Flammability Limit in Air	
Upper flammability limit	Not determined
Lower flammability limit	Not determined
Vapour pressure	Not determined
Vapour density	Not determined
Specific Gravity	0.8861
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Kinematic viscosity (cSt) at 40°C	80-100
VOC Content (%)	Not determined

SECTION 10 – STABILITY & REACTIVITY

REACTIVITY	Non-reactive under normal conditions
CHEMICAL STABILITY	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS	Hazardous polymerization does not occur.
CONDITIONS TO AVOID	Avoid contact with incompatible materials, avoid excessive heat, sparks, and open flame.
INCOMPATIBLE MATERIALS	Strong oxidizing agent
HAZARDOUS DECOMPOSITION PRODUCTS	May release carbon monoxide, carbon dioxide, smoke and irritating vapours when heated to decomposition.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation – Prolonged exposure may be harmful

Skin Contact – Causes skin irritation

Eye Contact – Causes serious eye irritation

Ingestion – Expected to be a low ingestion hazard

ACUTE TOXICITY

Component name	Oral LD50	Dermal LD50	Inhalation LC50
<i>Carbonic acid calcium salt (1:1)</i>	6,450 mg/kg (mouse) 6,450 mg/kg (rat)	-	-
<i>Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1)</i>	> 2,500 mg/kg (rat)	> 10,000 mg/kg	9,000 mg/L, 1 hr (rat)
<i>Distillates, petroleum, hydrotreated light</i>	> 5,000 mg/kg (rat)	> 2,000 mg/kg (rabbit)	> 6.03 mg/L, 4 hr (rat)
<i>Distillates (petroleum), solvent-dewaxed heavy paraffinic</i>	> 5,000 mg/kg (rat)	> 2,000 mg/kg (rabbit)	-
<i>Distillates (petroleum), hydrotreated heavy paraffinic</i>	> 5,000 mg/kg	> 2,000 mg/kg (rabbit)	-

SKIN CORROSION/IRRITATION Can cause irritation

MUTAGENICITY None

CARCINOGENICITY None

REPRODUCTIVE TOXICITY None

ASPIRATION TOXICITY None

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SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY	Toxicity to fish: <i>Carbonic acid calcium salt (1:1):</i> Western mosquitofish (<i>Gambusia affinis</i>) > 56,000 mg/L, 96 hr <i>Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1):</i> Fish > 0.28 mg/L, 96 hr <i>Distillates, petroleum, hydrotreated light:</i> Fathead minnow 45 mg/L, 96 hr <i>Distillates, petroleum, solvent-dewaxed heavy paraffinic:</i> Fish > 100 mg/L, 96 hr Toxicity to daphnia and other aquatic invertebrates: <i>Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1):</i> Daphnia > 0.27 mg/L, 48 hr <i>Distillates, petroleum, solvent-dewaxed heavy paraffinic:</i> Daphnia > 100 mg/L, 48 hr <i>Distillates, petroleum, hydrotreated heavy paraffinic:</i> Daphnia > 100 mg/L, 48 hr Toxicity to algae: <i>Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1):</i> Algae > 0.27 mg/L, 72 hr <i>Distillates, petroleum, solvent-dewaxed heavy paraffinic:</i> Algae > 100 mg/L, 72 hr <i>Distillates, petroleum, hydrotreated heavy paraffinic:</i> Algae > 100 mg/L, 72 hr Toxicity to bacteria: No data available
PERSISTENCE & DEGRADABILITY	No data available
BIOACCUMULATION	No data available
OTHER ADVERSE EFFECTS	No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	All disposal activities must comply with local, federal, and state environmental control regulations. Do not dispose in to environment, in drains or in rivers, ponds, water reservoirs, and soil.
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SECTION 14 – TRANSPORT INFORMATION

DOT	Not regulated as dangerous goods
TDG	Not regulated as dangerous goods
IATA	Not regulated as dangerous goods
IMDG/IMO	Not regulated as dangerous goods

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SECTION 15 – REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA	All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory.
DSL	On the inventory, or in compliance with the inventory.
IECSC	On the inventory, or in compliance with the inventory.

SECTION 16 – OTHER INFORMATION

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate and reliable as of the date issued. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and Ship 2 Shore makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and Ship 2 Shore shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with Ship 2 Shore's interpretation of the available data.

REVISION DATE: **DECEMBER 2019**

