1. IDENTIFICATION

1.1. PRODUCT IDENTIFIER USED ON LABEL:

1.1.1. MERCURY MARINE 2-4-C MULTIPURPOSE MARINE LUBE WITH PTFE

1.2. **OTHER MEANS OF IDENTIFICATION:**

1.2.1. 2-4-C MULTIPURPOSE MARINE LUBE WITH PTFE

92-74057K 5	92-802859A 1	92-802861A 1	92-802863A 1

1.3. **RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE;**

1.3.1. PETROLEUM LUBRICATING OIL

1.3.2. NO OTHER USES RECOMMENDED

1.4. **NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURER, IMPORTER, OR OTHER RESPONSIBLE PARTY:**

1.4.1.

Mercury Marine

P.O. Box 1939
Fond du Lac, WI 54935
United States of America

Product Information

General Information: +1 (920) 929-5000

1.5. **EMERGENCY PHONE NUMBER:**

1.5.1.

Emergency Response
North America: CHEMTREC (800) 424-9300 after 5:00pm CST (outside US): +17035273887

2. HAZARD(S) IDENTIFICATION

2.1. **Emergency overview:**

2.1.1. Physical Sate: Solid. [grease]

2.1.2. Color: Amber
2.1.3. Odor: Mild. Petroleum oil.
2.1.4. Hazard Statements: NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERS HEALTH EFFECTS EHRN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
2.1.5. Precautionary measures: Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
2.1.6. OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
2.1.7. Routes of Entry: Dermal contact. Eye contact. Ingestion.

2.2. **Potential acute health effects:**
2.2.1. Inhalation: No known significant effects or critical hazards.
2.2.2. Ingestion**:** No known significant effects or critical hazards.
2.2.3. Skin: No known significant effects or critical hazards.
2.2.4. Eyes: No known significant effects or critical hazards.

2.3. **Potential chronic health effects:**
2.3.1. Chronic Effects: Contains material that may cause target organ damage, based on animal data.
2.3.2. Carcinogenicity: No known significant effects or critical hazards.
2.3.3. Mutagenicity: No known significant effects or critical hazards.
2.3.4. Teratogenicity: No known significant effects or critical hazards.
2.3.5. Developmental Effects: No known significant effects or critical hazards.
2.3.6. Fertility Effects: No known significant effects or critical hazards.
2.3.7. Target Organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

2.4. **Over-exposure signs/symptoms:**
2.4.1. Inhalation: No specific data.
2.4.2. Ingestion: No specific data.
2.4.3. Skin: No specific data.
2.4.4. Eyes: No specific data.
2.4.5. Medical Conditions Aggravated by Over-Exposure: Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.
2.4.6. See Toxicological Information (Section 11)

3. Composition/ information on ingredients

3.1. **United States:**

Name	CAS Number	%
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	40-60
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	20-40
Mineral oil	Mixture	1-5
Residual Oils (petroleum), solvent-refined	64742-01-4	1-5

3.2. **Canada:**

Name	CAS Number	%
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	40-60
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	20-40
Mineral oil	Mixture	1-5
Residual Oils (petroleum), solvent-refined	64742-01-4	1-5

3.3. **Mexico:** **Classification**

Name	CAS Number	UN Number	%	IDLH	H	F	R	Special
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	Not available	40-60	2500 mg/m³	1	1	0	-
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	Not available	20-40	2500 mg/m³	1	1	0	-
Mineral oil	Mixture	Not available	1-5	2500 mg/m³	1	1	0	-
Residual Oils (petroleum), solvent-refined	64742-01-4	Not available	1-5	2500 mg/m³	1	1	0	-

3.4. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. FIRST AID MEASURES

4.1.

Inhalation:	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

	Loosen tight clothing such as collar, tie, belt, or waistband. Get medical attention immediately.
Eye:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin contact:	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
Notes to physician:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

5.1. **Flammability of the product: No specific fire or explosion hazard.**

5.2. **Extinguishing media:**

5.2.1. Suitable:

5.2.1.1. Use an extinguishing agent suitable for the surrounding fire.

5.2.2. Not suitable:

5.2.2.1. None known.

5.2.3. Special exposure hazards:

5.2.3.1. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.2.4. Hazardous thermal decomposition products:

5.2.4.1. Decomposition products may include the following materials:

5.2.4.1.1. Carbon dioxide

5.2.4.1.2. Carbon monoxide

5.2.4.1.3. Halogenated compounds

5.2.4.1.4. Metal oxide/oxides

5.2.5. Special protective equipment for fire-fighters:

5.2.5.1. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

6.1. **Personal precautions:**

6.1.1. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

6.2. **Environmental precautions:**

6.2.1. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. **Methods for cleaning up:**

6.3.1. Small spill:

6.3.1.1. Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor

6.3.2. Large spill:

6.3.2.1. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

7.1. **Handling:**

7.1.1. Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

7.2. **Storage:**

7.2.1. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. **United States:**

Ingredient	**Exposure limits**
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**ACGIH TLV (United States, 3/2012).** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction **NIOSH REL (United States, 6/2009).** TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist **OSHA PEL (United States, 6/2010).** TWA: 5 mg/m³ 8 hours.
Distillates (petroleum), solvent-refined heavy paraffinic	**ACGIH TLV (United States, 3/2012).** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction **NIOSH REL (United States, 6/2009).** TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist **OSHA PEL (United States, 6/2010).** TWA: 5 mg/m³ 8 hours.
Mineral oil	**ACGIH TLV (United States, 3/2012).** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction **NIOSH REL (United States, 6/2009).** TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist **OSHA PEL (United States, 6/2010).** TWA: 5 mg/m³ 8 hours.
Residual oils (petroleum,) solvent-refined	**ACGIH TLV (United States, 3/2012).** TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction **NIOSH REL (United States, 6/2009).** TWA: 5 mg/m³ 10 hours. Form: Mist STEL: 10 mg/m³ 15 minutes. Form: Mist **OSHA PEL (United States, 6/2010).** TWA: 5mg/m³ 8 hours.

8.2. **Canada**

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	**List name**	**ppm**	**mg/m³**	**Other**	**ppm**	**mg/m³**	**Other**	**ppm**	**mg/m³**	**Other**	**Notations**
Distillates (petroleum), solvent-dewaxed heavy paraffinic	US ACGIH 3/2012	-	5	-	-	-	-	-	-	-	[a]
	AB 4/2009	-	5	-	-	10	-	-	-	-	[b]
	ON 7/2010	-	5	-	-	10	-	-	-	-	[c]
	QC 9/2011	-	5	-	-	10	-	-	-	-	[c]
Distillates (petroleum), solvent-refined heavy paraffinic	US ACGIH 3/2012	-	5	-	-	-	-	-	-	-	[a]
	AB 4/2009	-	5	-	-	10	-	-	-	-	[b]
	ON 7/2010	-	5	-	-	10	-	-	-	-	[c]
	QC 9/2011	-	5	-	-	10	-	-	-	-	[c]
Mineral oil.	US ACGIH 3/2012	-	5	-	-	-	-	-	-	-	[a]
	ON 7/2010	-	5	-	-	10	-	-	-	-	[c]
	QC 9/2011	-	5	-	-	10	-	-	-	-	[c]
Residual oils (petroleum,) solvent-refined	US ACGIH 3/2012	-	5	-	-	-	-	-	-	-	[a]
	AB 4/2009	-	5	-	-	10	-	-	-	-	[b]
	ON 7/2010	-	5	-	-	10	-	-	-	-	[c]
	QC 9/2011	-	5	-	-	10	-	-	-	-	[c]

Form: [a] Inhalable fraction [b] mist [c] mist

8.3. **Mexico**

8.3.1. **Occupational Exposure Limits**

Ingredient	Exposure limits
Distillates (petroleum), solvent-dewaxed heavy paraffinic	**NOM-010-STPS (Mexico, 9/2000).** LMPE-PPT: 5 mg/m³ 8 hours. Form: mist LMPE-CT: 10 mg/m³ 15 minutes. Form: mist
Distillates (petroleum), solvent-refined heavy paraffinic	**NOM-010-STPS (Mexico, 9/2000).** LMPE-PPT: 5 mg/m³ 8 hours. Form: mist LMPE-CT: 10 mg/m³ 15 minutes. Form: mist
Mineral oil.	**NOM-010-STPS (Mexico, 9/2000).** LMPE-PPT: 5 mg/m³ 8 hours. Form: mist LMPE-CT: 10 mg/m³ 15 minutes. Form: mist
Residual oils (petroleum,) solvent-refined	**NOM-010-STPS (Mexico, 9/2000).** LMPE-PPT: 5 mg/m³ 8 hours. Form: mist LMPE-CT: 10 mg/m³ 15 minutes. Form: mist

8.4. **Consult local authorities for acceptable exposure limits.**

8.5. **Recommended monitoring procedures:**

8.5.1. If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate

monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

8.6. **Engineering measures:**

8.6.1. No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

8.7. **Hygiene measures:**

8.7.1. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

8.7.2. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.8. **Personal Protection:**

8.8.1. Respiratory:

8.8.1.1. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. 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.

8.8.2. Hands:

8.8.2.1. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

8.8.3. Eyes:

8.8.3.1. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

8.8.4. Skin:

8.8.4.1. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

8.8.5. Environmental exposure controls:

8.8.5.1. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters

or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1.

9.1.1. **Physical State:**	Solid. [grease]
9.1.2. **Flash Point:**	Not available
9.1.3. **Auto-ignition Temperature:**	Not available
9.1.4. **Flammable Limits:**	Not available
9.1.5. **Color:**	Amber
9.1.6. **Odor**	Mild petroleum oil
9.1.7. **pH**	Not available
9.1.8. **Boling/condensation point:**	Not available
9.1.9. **Melting/Freezing point:**	Not available
9.1.10. **Density:**	0.888 g/cm^3
9.1.11. **Vapor Pressure:**	Not available
9.1.12. **Vapor Density:**	Not available
9.1.13. **Volatility:**	Not available
9.1.14. **Evaporation Rate:**	Not available
9.1.15. **Viscosity:**	Not available
9.1.16. **Dispersibility properties:**	Not available
9.1.17. **Solubility:**	Insoluble in the following materials: cold water and hot water.

10.STABILITY AND REACTIVITY

10.1. **Stability:**
10.1.1. This product is stable.
10.2. **Incompatibility:**
10.2.1. No specific data.
10.3. **Hazardous Decomposition Products:**
10.3.1. Under normal conditions of storage and use, hazardous decomposition products should not be produced.
10.4. **Conditions to Avoid:**
10.4.1. No specific data.
10.5. **Possibility of Hazardous Reactions:**
10.5.1. Under normal conditions of storage and use, hazardous reactions will not occur.

11. TOXICOLOGY INFORMATION

11.1. **United States:**
11.1.1. **Acute Toxicity:**

Product/ingredient name	Result	Species	Dose	Exposure
Mineral oil.	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	>15 g/kg	-
Distillates (petroleum), solventvent-dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

11.1.1.1. Conclusion/Summary: No known significant effects or critical hazards.
11.1.2. **Chronic toxicity-Conclusion/Summary:**
11.1.2.1. Contains materials that may cause target organ damage, based on animal data.
11.1.3. **Irritation/Corrosion-Conclusion/Summary:**
11.1.3.1. Skin: No known significant effects or critical hazards.
11.1.3.2. Eyes: No known significant effects or critical hazards.
11.1.3.3. Respiratory: Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation.
11.1.4. **Sensitizer-Conclusion/Summary:**
11.1.4.1. Skin: No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization not suspected for humans.
11.1.4.2. Respiratory: Sensitization not suspected for humans.
11.1.5. **Carcinogenicity-Conclusion/Summary:**
11.1.5.1. There are no data available on the mixture itself. Carcinogenicity not suspected for humans.
11.1.6. **Mutagenicity-Conclusion/Summary:**
11.1.6.1. There are no data available on the mixture itself. Mutagenicity not suspected for humans.

11.1.7. **Teratogenicity-Conclusion/Summary:**

11.1.7.1. There are no data available on the mixture itself. Teratogenicity not suspected for humans.

11.1.8. **Reproductive toxicity-Conclusion/Summary**:

11.1.8.1. There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.

11.2. **Canada**

11.2.1. **Acute Toxicity:**

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
Mineral oil	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	>15 g/kg	-

11.2.1.1. Conclusion/Summary: No known significant effects or critical hazards.

11.2.2. **Chronic Toxicity-Conclusion/Summary:**

11.2.2.1. Contains materials that may cause target organ damage, based on animal data.

11.2.3. **Irritation/Corrosion-Conclusion/Summary:**

11.2.3.1. Skin: No known significant effects or critical hazards.

11.2.3.2. Eyes: No known significant effects or critical hazards.

11.2.3.3. Respiratory: Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation.

11.2.4. **Sensitizer-Conclusion/Summary:**

11.2.4.1. Skin: No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization not suspected for humans.

11.2.4.2. Respiratory: Sensitization not suspected for humans.

11.2.5. **Carcinogenicity-Conclusion/Summary:**

11.2.5.1. There are no data available on the mixture itself. Carcinogenicity not suspected for humans.

11.2.6. **Mutagenicity-Conclusion/Summary:**

11.2.6.1. There are no data available on the mixture itself. Mutagenicity not suspected for humans.

11.2.7. **Teratogenicity-Conclusion/Summary:**

11.2.7.1. There are no data available on the mixture itself. Teratogenicity not suspected for humans.

11.2.8. **Reproductive Toxicity-Conclusion/Summary**:

11.2.8.1. There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.

11.3. **Mexico**

11.3.1. **Acute Toxicity:**

Product/ingredient name	Result	Species	Dose	Exposure
Mineral oil.	LD50 Dermal	Rabbit	>5 g/kg	-
	LD50 Oral	Rat	>15 g/kg	-
Distillates (petroleum), solventvent-dewaxed heavy paraffinic	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

11.3.1.1. Conclusion/Summary: No known significant effects or critical hazards.

11.3.2. **Chronic toxicity-Conclusion/Summary:**

11.3.2.1. Contains materials that may cause target organ damage, based on animal data.

11.3.3. **Irritation/Corrosion-Conclusion/Summary:**

11.3.3.1. Skin: No known significant effects or critical hazards.

11.3.3.2. Eyes: No known significant effects or critical hazards.

11.3.3.3. Respiratory: Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation.

11.3.4. **Sensitizer-Conclusion/Summary:**

11.3.4.1. Skin: No specific information is available in our database regarding the skin sensitizing properties of this product. Sensitization not suspected for humans.

11.3.4.2. Respiratory: Sensitization not suspected for humans.

11.3.5. **Carcinogenicity-Conclusion/Summary:**

11.3.5.1. There are no data available on the mixture itself. Carcinogenicity not suspected for humans.

11.3.6. **Mutagenicity-Conclusion/Summary:**

11.3.6.1. There are no data available on the mixture itself. Mutagenicity not suspected for humans.

11.3.7. **Teratogenicity-Conclusion/Summary:**

11.3.7.1. There are no data available on the mixture itself. Teratogenicity not suspected for humans.

11.3.8. **Reproductive Toxicity-Conclusion/Summary**:

11.3.8.1. There are no data available on the mixture itself. Not considered to be dangerous to humans, according to our database.

12.ECOLOGICAL INFORMATION

12.1. **Ecotoxicity:**

12.1.1. Not readily biodegradable.

12.2. **United States**

12.2.1. **Aquatic ecotoxicity:**

12.2.1.1. Conclusion/Summary: There are no data on the mixture itself.

12.2.2. **Persistence/degradability:**

12.2.2.1. Conclusion/Summary: This Product has not been tested for biodegradation. Not readily biodegradable.

12.3. **Canada**

12.3.1. **Aquatic ecotoxicity:**

12.3.1.1. Conclusion/Summary: There are no data on the mixture itself.

12.3.2. **Persistence/degradability:**

12.3.2.1. Conclusion/Summary: This Product has not been tested for biodegradation. Not readily biodegradable.

12.4. **Mexico**

12.4.1. **Aquatic ecotoxicity:**

12.4.1.1. Conclusion/Summary: There are no data on the mixture itself.

12.4.2. **Persistence/degradability:**

12.4.2.1. Conclusion/Summary: This Product has not been tested for biodegradation. Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

13.1. **Waste Disposal**:

13.1.1. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.

13.2. **Disposal should be in accordance with applicable regional, national and local laws and regulations.**

13.3. **Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.**

14.TRANSPORTATION INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
Mexico Classification	Not regulated.	-	-	-		-
ADR/RID Class	Not regulated.	-	-	-		-

IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

PG*: Packaging group

15. REGULATORY INFORMATION

15.1. **United States**

15.1.1. **HCS Classification:** Target Organ effects

15.1.2. **U.S. Federal Regulations**

15.1.2.1. **TSCA 4(a) final test rules**: Ethene, 1,1,2,2-tetrafluoro-, homopolymer

15.1.2.2. **TSCA 8(a) PAIR**: Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts; N-1-naphthylaniline

15.1.2.3. **TSCA 8(a) IUR Exempt/Partial exemption**: Not determined

15.1.2.4. **TSCA 12(b) one-time export**: Ethene, 1,1,2,2-tetrafluoro-, homopolymer

15.1.2.5. **United States inventory (TSCA 8b):** All components are listed or exempted.

15.1.2.6. **SARA 302/304/311/312 extremely hazardous substances:** No products were found

15.1.2.7. **SARA 302/304 emergency planning and notification**: No products were found.

15.1.2.8. **SARA 302/304/311/312 hazardous chemicals**: No products were found.

15.1.2.9. **SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: No products were found.

15.1.2.10. **Clean Water Act (CWA) 307**: phenol; zinc neodecanoate; Naphthenic acids, zinc salts; Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

15.1.2.11. **Clean Water Act (CWA) 311**: phenol

15.1.3. **SARA 313:**

	Product Name	**CAS number**	**Concentration**
Form R-Reporting requirements:	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	1-5
Supplier notification	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	1-5

15.1.3.1. SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

15.1.4. **State Regulations**

15.1.4.1. Connecticut Carcinogen Reporting : None of the components are listed.

15.1.4.2. Connecticut Hazardous Material Survey: None of the components are listed.

15.1.4.3. Florida substances : None of the components are listed.

15.1.4.4. Illinois Chemical Safety Act: None of the components are listed.

15.1.4.5. Illinois Toxic Substances Disclosure to Employee Act: None of the components are listed.

15.1.4.6. Louisiana Reporting: None of the components are listed.

15.1.4.7. Louisiana Spill: None of the components are listed.

15.1.4.8. Massachusetts Spill: None of the components are listed.

15.1.4.9. Massachusetts Substances: None of the components are listed.

15.1.4.10. Michigan Critical Material: None of the components are listed.

15.1.4.11. Minnesota Hazardous Substances: None of the components are listed.

15.1.4.12. New Jersey Spill: None of the components are listed.

15.1.4.13. New Jersey Toxic Catastrophe Prevention Act: None of the components are listed.

15.1.4.14. New Jersey Hazardous Substances: The following components are listed: ZINC compounds

15.1.4.15. New York Acutely Hazardous Substances: None of the components are listed.

15.1.4.16. New York Toxic Chemical Release Reporting: None of the components are listed.

15.1.4.17. Pennsylvania RTK Hazardous Substances : The following components are listed: ETHENE, TETRAFLUORO-, HOMOPOLYMER; ZINC COMPOUNDS

15.1.4.18. Rhode Island Hazardous Substances: None of the components are listed

15.1.5. **California Prop. 65:**

15.1.5.1. None of the components are listed or exempted.

15.1.6. **United States Inventory (TSCA 8b):**

15.1.6.1. All components are listed or exempted.

15.2. **Canada**

15.2.1. **WHMIS (Canada):**

15.2.1.1. Not controlled under WHMIS (Canada)

15.2.2. **Canadian Lists:**

15.2.2.1. Canadian NPRI: The following components are listed: Zinc (and its compounds)

15.2.2.2. CEPA Toxic substances: None of the components are listed.

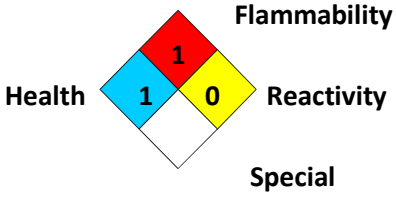
15.2.2.3. Canada inventory; DSL/NDSL: All components are listed or exempted.

15.2.3. **This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**

15.3. **Mexico**

15.3.1. **Classification:**

15.3.1.1.



15.4. **International regulations:**

15.4.1. **International lists:**

15.4.1.1. Australia inventory (AICS): All components are listed or exempted.

15.4.1.2. China inventory (IECSC): All components are listed or exempted.

15.4.1.3. Japan inventory: Not determined.
15.4.1.4. Korea inventory: All components are listed or exempted.
15.4.1.5. Malaysia Inventory (EHS Register): Not determined.
15.4.1.6. New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
15.4.1.7. Philippines inventory (PICCS): All components are listed or exempted.
15.4.1.8. Taiwan inventory (CSNN): Not determined.
15.4.1.9. Europe inventory: All components are listed or exempted.
15.4.2. Chemical Weapons Convention List Schedule I Chemicals: Not Listed
15.4.3. Chemical Weapons Convention List Schedule II Chemicals: Not Listed
15.4.4. Chemical Weapons Convention List Schedule III Chemicals: Not Listed

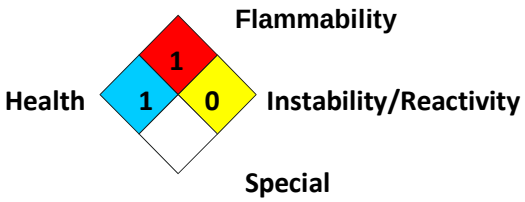
16.OTHER INFORMATION

16.1. **Label requirements:**
16.1.1. Not expected to produce significant adverse health effects when the recommended instructions for use are followed.

16.2. **Hazardous Material Information System (U.S.A)**

HEALTH HAZARD *	0
FIRE HAZARD	1
INSTABILITY/REACTIVITY	0
	B

16.2.1. Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.
16.2.2. The customer is responsible for determining the PPE code for this material.
16.3. **National Fire Protection Association (U.S.A.):**



16.3.1. Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

16.3.2. Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

16.4. **Date of preparation:** November 19, 2013

16.5. This product may be formulated with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Mercury Marine must rely on information provided by those materials manufacturers or distributors.

16.6. **MANUFACTURERS DISCLAIMER:**

16.6.1. ***The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose***