



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** MARYKATE® Super Suds™ Boat Soap

**Product Number (s):** MK2204

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-8963
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Viscous clear green liquid, detergent odor

### WARNING

May cause eye and skin irritation.

As defined by OSHA's Hazard Communication Standard, this product is nonhazardous.

### Potential Health Effects:

**EYE:** May cause eye irritation. Severity of irritation will depend upon quantity and duration of exposure.

**SKIN:** Brief exposures are not expected to cause any health effects. Prolonged exposure may cause mild irritation. Persons with sensitive skin may experience redness or drying of the skin.

**INHALATION:** Inhalation of small amounts is not expected to cause negative health effects. Prolonged exposure may cause a headache or irritation to the throat.

**INGESTION:** Ingestion of small amounts is not expected to cause negative health effects. Ingestion of larger amounts may cause stomach ache and irritation of the gastrointestinal tract.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** None known

Medical Conditions Aggravated by Exposure:

eye and skin conditions

See Section 11 for toxicology and carcinogenicity information on product ingredients.

**Product Name: MARYKATE® Super Suds™ Boat Soap**  
**Product Number (s): MK2204**

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**Section 3: Composition/Information on Ingredients**

COMPONENT	CAS NUMBER	% by Wt.
Water	7732-18-5	75 – 85
Amido sulfonate complex	68478-47-7	15 - 25
Sodium carbonate monohydrate	5968-11-6	< 1

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**Section 4: First Aid Measures**

**Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

**Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

**Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:** Give victim 1 – 2 glasses of water. If health effects are experienced, contact a physician.

*Note to Physicians:* Treat symptomatically.

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**Section 5: Fire-Fighting Measures**

**Flammable Properties:** As defined by OSHA, this product is nonflammable.

Flash Point:	None	Upper Explosive Limit:	None
Autoignition Temperature:	None	Lower Explosive Limit:	None

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Products of Combustion:** None

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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**Section 6: Accidental Release Measures**

**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush unused product into sewers or storm drains.

**Product Name: MARYKATE® Super Suds™ Boat Soap**

**Product Number (s): MK2204**

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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**Section 7: Handling and Storage**

Handling Procedures: Do not mix this product with other household chemicals. Wash hands after use and before consuming food.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep container closed when not in use. Store out of reach of children.

Aerosol Storage Level: NA

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**Section 8: Exposure Controls/Personal Protection**

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
Amido sulfonate complex	NE	NE	NE	NE	NE		
Sodium carbonate monohydrate	NE	NE	NE	NE	NE		
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as rubber or nitrile. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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**Section 9: Physical and Chemical Properties**

Physical State: liquid (viscous)

Color: clear green

Odor: detergent

Specific Gravity: 1.07

Initial Boiling Point: ~ 212 F

Freezing Point: ND

Vapor Pressure: ND

**Product Name: MARYKATE® Super Suds™ Boat Soap**

**Product Number (s): MK2204**

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Vapor Density: ND (air = 1)

Evaporation Rate: < 1 (ether = 1)

Solubility: soluble in water

pH: 8.9 – 9.0

Volatile Organic Compounds: wt %: 0 g/L: 0 lbs./gal: 0

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**Section 10: Stability and Reactivity**

Stability: Stable

Conditions to Avoid: None

Incompatible Materials: Strong oxidizers, strong acids

Hazardous Decomposition Products: None

Possibility of Hazardous Reactions: No

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**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**ACUTE EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
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No information available

**CHRONIC EFFECTS**

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: No information available

Other: None

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**Section 12: Ecological Information**

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity:	No information available
Persistence / Degradability:	Readily biodegradable
Bioaccumulation / Accumulation:	No information available
Mobility in Environment:	No information available

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**Product Name: MARYKATE® Super Suds™ Boat Soap**

**Product Number (s): MK2204**

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### **Section 13: Disposal Considerations**

Disposal: This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Wastes should be collected and properly disposed. Do not dump into bodies of water or on the ground.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

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### **Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Not Regulated

Special Provisions: None

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### **Section 15: Regulatory Information**

#### **U.S. Federal**

##### Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

##### Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

##### Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	No
	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	No
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
NONE

##### Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

#### **State Regulations**

**Product Name: MARYKATE® Super Suds™ Boat Soap**

**Product Number (s): MK2204**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: NONE

State Right to Know:

New Jersey: None  
Pennsylvania: None  
Massachusetts: None  
Rhode Island : None

**Additional Regulatory Information:** None

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**Section 16: Other Information**

NFPA: Health: 1 Flammability: 0 Reactivity: 0  
HMIS: Health: 1 Flammability: 0 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick  
CRC #: 662  
Revision Date: 10/18/2007

Changes since last revision: Part number removed.

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** MARYKATE® Spray Away™ All Purpose Cleaner

**Product Number (s):** MK2804

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-8963
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Blue-green liquid, glycol ether odor

### DANGER

Eye and skin irritant. Harmful if swallowed or inhaled.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

**EYE:** May cause moderate to severe irritation including redness and burning depending on the amount and duration of contact.

**SKIN:** May cause moderate to severe skin irritation. Prolonged or repeated contact may cause burns to skin.

**INHALATION:** Inhalation of a small amount may cause nose and throat irritation. Prolonged exposure may cause burns to respiratory tract.

**INGESTION:** Ingestion of a small amount may cause mild to moderate irritation of the gastrointestinal tract. Ingestion of a larger amount may cause major irritation to the gastrointestinal tract as well as more severe health effects including blood disorders.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** By ingestion: Blood, liver, kidneys.

Medical Conditions Aggravated by Exposure:

Pre-existing skin or eye disorders

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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### **Section 3: Composition/Information on Ingredients**

<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>% by Wt.</b>
Water	7732-18-5	70 - 80
2-Butoxyethanol	111-76-2	3
Sodium xylene sulfonate	1300-72-7	5 - 10
Monoethanolamine	141-43-5	< 2
Sodium metasilicate	6834-92-0	< 1
Detergent blend	proprietary	10 - 15

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### **Section 4: First Aid Measures**

**Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists or if chemical burns are present.

**Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists or if chemical burns are present. Wash contaminated clothing prior to re-use.

**Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:** Do not induce vomiting. Give 2 – 3 glasses of water. Call a physician immediately.

**Note to Physicians:** This product contains 2-Butoxyethanol which, if ingested in significant quantities, may result in red blood cell hemolysis.

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### **Section 5: Fire-Fighting Measures**

**Flammable Properties:** As defined by OSHA, this product is nonflammable.

Flash Point:	None	Upper Explosive Limit:	ND
Autoignition Temperature:	None	Lower Explosive Limit:	ND

**Suitable Extinguishing Media:** Use extinguishing agents appropriate for surrounding fire.

**Products of Combustion:** None

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.



**Product Name: MARYKATE® Spray Away™ All Purpose Cleaner**  
**Product Number (s): MK2804**

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**Section 6: Accidental Release Measures**

Personal Precautions: Use personal protection recommended in Section 8. Avoid skin and eye contact.

Environmental Precautions: Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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**Section 7: Handling and Storage**

Handling Procedures: Use with adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. Keep containers closed when not in use. Do not mix with other household chemicals.

Storage Procedures: Store in a cool dry area out of direct sunlight. Keep out of reach of children.

Aerosol Storage Level: NA

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**Section 8: Exposure Controls/Personal Protection**

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Water	NE	NE	NE	NE	NE		
2-Butoxyethanol	50 (s)	NE	20	NE	NE		ppm
Sodium xylene sulfonate	NE	NE	NE	NE	NE		
Monoethanolamine	3	6 (v)	3	6	NE		ppm
Sodium metasilicate	NE	NE	NE	NE	NE		
Detergent blend	NE	NE	NE	NE	NE		
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated							

Engineering Controls: Area should have ventilation to provide fresh air. Use local exhaust to prevent accumulation of vapors. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations

Respiratory Protection: None required for normal work where adequate ventilation is provided. Use NIOSH-approved self-contained positive pressure respirators in low circulation areas and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use thick protective gloves such as nitrile or rubber. Also use full protective clothing if there is prolonged or repeated contact of liquid with skin.

**Product Name: MARYKATE® Spray Away™ All Purpose Cleaner**  
**Product Number (s): MK2804**

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### Section 9: Physical and Chemical Properties

Physical State: liquid  
Color: blue-green  
Odor: glycol ether  
Specific Gravity: 1.056  
Initial Boiling Point: ~ 212 F  
Freezing Point: ND  
Vapor Pressure: ND  
Vapor Density: > 1 (air = 1)  
Evaporation Rate: < 1 (ether = 1)  
Solubility: soluble in water  
pH: 12.1 – 12.4  
Volatile Organic Compounds: wt %: 4.0 g/L: 42 lbs./gal: 0.35

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### Section 10: Stability and Reactivity

Stability: Stable  
Conditions to Avoid: Keep away from heat and direct sunlight.  
Incompatible Materials: Strong oxidizers, strong acids  
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide  
Possibility of Hazardous Reactions: No

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### Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

#### ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
2-Butoxyethanol	LC50	450 ppm/4H	Inhalation	Rat
2-Butoxyethanol	LD50	470 mg/kg	Oral	Rat
2-Butoxyethanol	LD50	220 mg/kg	Dermal	Rabbit

#### CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: No information

Other: No information

**Product Name: MARYKATE® Spray Away™ All Purpose Cleaner**  
**Product Number (s): MK2804**

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## **Section 12: Ecological Information**

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: 2-Butoxyethanol 96 Hr LC50, Bluegill sunfish: 1490 mg/L  
24 Hr LC50, daphnia: 1720 mg/L  
Sodium metasilicate 96 Hr EC50 Daphnia magna: 216 mg/L  
Persistence / Degradability: This product is biodegradable.  
Bioaccumulation / Accumulation: No information  
Mobility in Environment: No information

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## **Section 13: Disposal Considerations**

Disposal: This material is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)  
Wastes should be collected and properly disposed. Do not dump into bodies of water or on the ground.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

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## **Section 14: Transport Information**

Proper shipping description:

US DOT (ground): **MK2804:** Consumer Commodity, ORM-D

Special Provisions: None

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## **Section 15: Regulatory Information**

### **U.S. Federal**

#### Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

#### Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

#### Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:

Fire Hazard	No
Reactive Hazard	No
Release of Pressure	No
Acute Health Hazard	Yes
Chronic Health Hazard	No

**Product Name: MARYKATE® Spray Away™ All Purpose Cleaner**

**Product Number (s): MK2804**

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Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
2-Butoxyethanol (glycol ethers category): 3%

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**State Regulations**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65): NONE

State Right to Know:

New Jersey: 111-76-2, 141-43-5  
Pennsylvania: 111-76-2, 141-43-5  
Massachusetts: 111-76-2, 141-43-5  
Rhode Island : 111-76-2, 141-43-5

**Additional Regulatory Information:** None

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**Section 16: Other Information**

NFPA: Health: 2 Flammability: 0 Reactivity: 1  
HMIS: Health: 2 Flammability: 0 Reactivity: 1 PPE: B

Prepared By: Michelle Rudnick  
CRC #: 660A  
Revision Date: 10/18/2007

Changes since last revision: Added part #MK2804 to section 14 under Consumer Commodity

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH	American Conference of Governmental Industrial Hygienists		
NIOSH	National Institute of Occupational Safety & Health		



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** CRC 6-56® Multi-Purpose Lubricant (aerosol)

**Product Number (s):** 06006

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-8963
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Clear blue-green liquid, pleasant odor

### DANGER

Flammable. Harmful or Fatal if Swallowed. Contents Under Pressure.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

**EYE:** Contact may cause mild irritation including stinging, watering and redness.

**SKIN:** Contact may cause redness, itching, burning and skin damage. Prolonged or repeated contact can worsen irritation and lead to dermatitis. No harmful effects from skin absorption are expected.

**INHALATION:** Expected to have a low degree of toxicity by inhalation. High concentrations of vapors may be irritating to the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, and other central nervous system effects.

**INGESTION:** Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**CHRONIC EFFECTS:** None known

**TARGET ORGANS:** None known

Medical Conditions Aggravated by Exposure:

pre-existing dermatitis

See Section 11 for toxicology and carcinogenicity information on product ingredients.

**Section 3: Composition/Information on Ingredients**

COMPONENT	CAS NUMBER	% by Wt.
Hydrotreated light distillates	64742-47-8	65 - 75
Solvent-refined heavy paraffinic distillates	64741-88-4	15 – 25
Inhibitor blend	proprietary	5 - 15
Carbon dioxide	124-38-9	1 - 5

**Section 4: First Aid Measures**

- Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.
- Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.
- Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.
- Ingestion:** If swallowed, do NOT induce vomiting. Keep at rest. Get prompt medical attention.
- Note to Physicians:* This product is an aspiration hazard.

**Section 5: Fire-Fighting Measures**

**Flammable Properties:** This product is flammable in accordance with aerosol flammability definitions (16 CFR 1500.3(c)(6) ).

Flash Point:	170 F (TCC)	Upper Explosive Limit:	5.0
Autoignition Temperature:	ND	Lower Explosive Limit:	0.7

**Suitable Extinguishing Media:** Foam, dry chemical, carbon dioxide or water spray.

**Products of Combustion:** Oxides of carbon

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

**Section 6: Accidental Release Measures**

**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

Methods for Containment & Clean-up: Remove sources of ignition. Dike area to contain spill. Ventilate the area with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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### Section 7: Handling and Storage

Handling Procedures: Do not use near an open flame, heat or other sources of ignition.

Storage Procedures: Store in a cool dry area out of direct sunlight. Aerosol cans must be maintained below 120 F to prevent cans from rupturing.

Aerosol Storage Level: III

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### Section 8: Exposure Controls/Personal Protection

Exposure Guidelines:

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Hydrotreated light distillates	NE	NE	NE	NE	1200	mfr	mg/m <sup>3</sup>
Solvent-refined heavy paraffinic distillates	5*	NE	5*	10*	NE		mg/m <sup>3</sup>
Inhibitor blend	NE	NE	NE	NE	NE		
Carbon dioxide	5000	30000(v)	5000	30,000	NE		ppm
N.E. – Not Established      (c) – ceiling      (s) – skin      (v) – vacated      *- oil mist							

Engineering Controls: Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

Respiratory Protection: None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

Eye/face Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

Skin Protection: Use protective gloves such as nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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### Section 9: Physical and Chemical Properties

Physical State: Liquid

Color: Blue-green

Odor: Pleasant

Specific Gravity: 0.8187  
 Initial Boiling Point: 380 F  
 Freezing Point: ND  
 Vapor Pressure: ND  
 Vapor Density: > 1 (air = 1)  
 Evaporation Rate: ND (butyl acetate = 1)  
 Solubility: negligible in water  
 pH: NA  
 Volatile Organic Compounds: wt %: 39.1 g/L: 320.1 lbs./gal: 2.67

**Section 10: Stability and Reactivity**

Stability: Stable  
 Conditions to Avoid: Temperature extremes, sources of ignition  
 Incompatible Materials: Strong oxidizing agents  
 Hazardous Decomposition Products: Oxides of carbon, oxides of sulfur, hydrocarbons  
 Possibility of Hazardous Reactions: No

**Section 11: Toxicological Information**

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

**ACUTE EFFECTS**

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Hydrotreated light distillate	LD50	> 5 g/kg	Oral	Rat
Hydrotreated light distillate	LD50	> 2 g/kg	Dermal	Rabbit
Hydrotreated light distillate	LC50	> 5 mg/L/4H	Inhalation	Rat

**CHRONIC EFFECTS****Carcinogenicity:**

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Other: Paraffinic distillates Product testing using IP 346 shows a DMSO PAH content of < 3% by weight.

**Section 12: Ecological Information**

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available  
 Persistence / Degradability: No information available



Bioaccumulation / Accumulation: No information available  
Mobility in Environment: No information available

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**Section 13: Disposal Considerations**

Disposal: The dispensed liquid product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33) Aerosol containers should be fully emptied and depressurized before disposal. The empty container can be recycled.

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

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**Section 14: Transport Information**

Proper shipping description:

US DOT (ground): Consumer Commodity, ORM-D

Special Provisions: None

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**Section 15: Regulatory Information**

**U.S. Federal**

Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	Yes
	Reactive Hazard	No
	Release of Pressure	Yes
	Acute Health Hazard	Yes
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
None

Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

**State Regulations**

California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: NONE

State Right to Know:

New Jersey: None  
Pennsylvania: None  
Massachusetts: None  
Rhode Island : None

**Additional Regulatory Information:** None

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**Section 16: Other Information**

NFPA: Health: 1 Flammability: 2 Reactivity: 0  
HMIS: Health: 1 Flammability: 2 Reactivity: 0 PPE: B

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CRC #: 510C  
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The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service NA: Not Applicable  
ppm: Parts per Million ND: Not Determined  
TCC: Tag Closed Cup NE: Not Established  
PMCC: Pensky-Martens Closed Cup g/L: grams per Liter  
PPE: Personal Protection Equipment lbs./gal: pounds per gallon  
TWA: Time Weighted Average STEL: Short Term Exposure Limit  
OSHA: Occupational Safety and Health Administration  
ACGIH American Conference of Governmental Industrial Hygienists  
NIOSH National Institute of Occupational Safety & Health