Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date: 08/27/2014 Date of Issue: 08/27/2014

Version: 1.0

## **SECTION 1: IDENTIFICATION**

<u>ProductIdentifier</u> Product Form: Mixture

Product Name: Heavy Duty Boat Soap Product Code: 15026370, 15026362 <u>Intended Use of the Product</u>

Cleaning

Name Address, and Telephone of the Responsible Party

Company West Marine 500 Westridge Drive Watsonville, CA 95076 (831)728-2700 www.westmarine.com

**Emergency Telephone Number** 

Emergency number : US: (800) 424-9300; International: (703) 527-3887 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US) Eye Dam. 1 H318 <u>Label Elements</u> GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H318 - Causes serious eye damage.

Precautionary Statements (GHS-US): P264 – Wash hands, forearms, and exposed areas thoroughly after handling.

P280 - Wear eye protection, protective clothing, protective gloves.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a a POISON CENTER.

Other Hazards

Other Hazards Not Contributing to the Classification:

Other Hazards: My cause skin and respiratory tract irritation.

Unknown Acute Toxicity (GHS-US) Not available.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixture

WIIAture				
Name	Product identifier	%(w/w)	Classification (GHS-US)	
Sulfuric acid, mono-C10-16-alkyl esters,	(CAS No) 68585-47-7	1 - 5	Acute Tox. 4 (Oral), H302	
sodium salts			Skin Irrit. 2, H315	
			Eye Dam. 1, H318	
Poly(oxy-1,2-ethanediyl), .alphasulfo-	(CAS No) 9004-82-4	0.5 - 1.5	Acute Tox. 4 (Oral), H302	
.omega(dodecyloxy)-, sodium salt			Skin Irrit. 2, H315	
			Eye Dam. 1, H318	
			Asp. Tox. 1, H304	
			Aquatic Acute 2, H401	

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			Aquatic Chronic 2, H411
1-Propanaminium, 3-amino-N-	(CAS No) 61789-40-0	0.1 - 1	Skin Corr. 1B, H314
(carboxymethyl)-N,N-dimethyl-, N-coco acyl			Eye Irrit. 2A, H319
derivatives, hydroxides, inner salts			Aquatic Acute 1, H400
Ammonium chloride	(CAS No) 12125-02-9	0.5 - 1.5	Acute Tox. 4 (Oral), H302
			Eye Irrit. 2A, H319
			STOT RE 2, H373
Dimethylol-5,5-dimethylhydantoin	(CAS No) 6440-58-0	0.1 - 1	Acute Tox. 4 (Oral), H302

Full text of H-phrases: see section 16

### SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye damage.

Inhalation: May cause respiratory irritation.

Skin Contact: May cause skin irritation.

Eye Contact: Causes serious eye damage.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

#### **SECTION 5: FIRE-FIGHTING MEASURES**

### Extinguishing Media

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

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

## Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Fire fighting Instructions: Use water spray or fog for cooling exposed containers. Do not allow run-off from fire fighting to enter drains or water sources.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides.

Reference to Other Sections

Refer to section 9 for flammability properties.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

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### For Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area.

#### **Environmental Precautions**

Prevent entry to sewers and public waters.

### Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Absorb and/or contain spill, then place in suitable container for disposal. Dispose in a safe manner in accordance with local/national regulations.

#### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection.

### SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do not eat, drink or smoke when using this product.

### Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.

Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Specific End Use(s) Cleaning

### SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### **Control Parameters**

Ammonium chloride (12125-02-9)		
	10 / 2	
	$10 \text{ mg/m}^3$	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	20 mg/m <sup>3</sup>	
` ' ` • '	$10 \text{ mg/m}^3$	
` ' ` • '	$20 \text{ mg/m}^3$	
` • ′	$20 \text{ mg/m}^3$	
OELTWA (mg/m³)	$10 \text{ mg/m}^3$	
OELSTEL(mg/m³)	$20 \text{ mg/m}^3$	
OELTWA (mg/m³)	$10 \text{ mg/m}^3$	
OELSTEL(mg/m³)	20 mg/m <sup>3</sup>	
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OELTWA (mg/m³)	$10 \text{ mg/m}^3$	
OELSTEL(mg/m³)	$20 \text{ mg/m}^3$	
OELTWA (mg/m³)	$10 \text{ mg/m}^3$	
VECD (mg/m³)	$20 \text{ mg/m}^3$	
VEMP (mg/m³)	$10 \text{ mg/m}^3$	
OELSTEL(mg/m³)	$20 \text{ mg/m}^3$	
	ACGIH TWA (mg/m³) ACGIH STEL (mg/m³) NIOSH REL (TWA) (mg/m³) NIOSH REL (STEL) (mg/m³) OEL STEL (mg/m³) OEL TWA (mg/m³) OEL STEL (mg/m³)	

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Saskatchewan	OELTWA (mg/m³)	$10 \text{ mg/m}^3$
Yukon	OEL STEL (mg/m³)	$20 \text{ mg/m}^3$
Yukon	OELTWA (mg/m³)	$10 \text{ mg/m}^3$

### **Exposure Controls**

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.









Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed

established Occupational Exposure Limits.

Consumer Exposure Controls: Do not eat, drink, or smoke during use

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<u>Information on Basic Physical and Chemical Properties</u>
Physical State : Liquid

Appearance : Pink

Odor : Characteristic
Odor Threshold : Not available

pH : 6.5

Evaporation Rate : Not available
Melting Point : Not available
Freezing Point : Not available
Boiling Point : Not available
Boiling Point : >100 °C (>212 °F)
Flash Point : Not available

Auto-ignition Temperature : Not available
Decomposition Temperature : Not available
Flammability (solid, gas) : Not available
Lower Flammable Limit : Not available
Upper Flammable Limit : Not available
Vapor Pressure : Not available
Relative Vapor Density at 20 °C : Not available

Specific Gravity/Relative density : 1.04

Solubility : Soluble in water
Partition coefficient: n-octanol/water : Not available
Viscosity : Not available

Explosion Data – Sensitivity to Mechanical Impact : Not expected to present an explosion hazard due to mechanical impact Explosion Data – Sensitivity to Static Discharge : Not expected to present an explosion hazard due to static discharge

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### SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions will not occur under normal conditions.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Hazardous polymerization will not occur. Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Incompatible Materials: Strong acids. Strong bases. Strong oxidizers.

Hazardous Decomposition Products: Ammonia. Carbon oxides (CO, CO<sub>2</sub>). Hydrogen chloride. Nitrogen oxides. Sodium oxides.

Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

### <u>Information on Toxicological Effects - Product</u>

Acute Toxicity: Not classified. ID50 and IC50 Data: Not available. Skin Corrosion/Irritation: Not classified.

pH: 6.5

Serious Eye Damage/Irritation: Causes serious eye damage.

pH: 6.5

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Teratogenicity: Not available. Carcinogenicity: Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): Not classified.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: May cause respiratory irritation. Symptoms/Injuries After Skin Contact: May cause skin irritation. Symptoms/Injuries After Eye Contact: Causes serious eye damage.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

D30 and B30 Data.		
Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt (9004-82-4)		
ID50 Oral Rat	1600 mg/kg	
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts (68585-47-7)		
ID50 Oral Rat	> 2000 mg/kg	
ATE US (oral)	500.00 mg/kg body weight	
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)		
ID50 Oral Rat	4900 mg/kg	
Ammonium chloride (12125-02-9)		
ID50 Oral Rat	1410 mg/kg	
Dimethylol-5,5-dimethylhydantoin (6440-58-0)		
ID50 Oral Rat	2 - 5 g/kg	
ATE US (oral)	2,000.00 mg/kg body weight	

### SECTION 12: ECOLOGICAL INFORMATION

### Toxicity Not classified.

Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt (9004-82-4)		
EC50 Other Aquatic Organisms 1 3.12 mg/l (Species Ceriodaphnia, exposure time: 48 hr)		
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)		
IC50 Fish 1 1 (1.0 - 10.0) mg/l (Exposure time: 96 h - Species: Brachydanio rerio)		
EC50 Daphnia 1	6.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

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EC50 Other Aquatic Organisms 1	1 (1.0 - 10.0) mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)		
LC 50 Fish 2	2 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])		
Ammonium chloride (12125-02-9)	Ammonium chloride (12125-02-9)		
LC50 Fish 1	209 mg/1 (Exposure time: 96 h - Species: Cyprinus carpio [static])		
EC50 Daphnia 1	161 mg/l		
Dimethylol-5,5-dimethylhydantoin (6440-58-0)			
LC50 Fish 1	514 mg/1 (Freshwater [96h static] Species: Oncorhynchus mykiss)		

### Persistence and Degradability

Heavy Duty Boat Soap	
Persistence and Degradability	Not established.

### Bioaccumulative Potential

Heavy Duty Boat Soap	
Bioaccumulative Potential	Not established.

Mobility in Soil Not available.

Other Adverse Effects

Other Information: Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

# **SECTION 14: TRANSPORT INFORMATION**

In Accordance With ICAO/ IATA/ DOT/ TDG

UN Number Not regulated for transport.

UN Proper Shipping Name Not regulated for transport.

Transport Hazard Class(es) Not regulated for transport.

Additional Information Not available.

<u>Transport by sea</u> Not regulated for transport.

Air transport Not regulated for transport.

### SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

Heavy Duty Boat Soap			
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard		
Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt (9004-82-4)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
Sulfuric acid, mono-Cl0-16-alkyl esters, sodium salts (68585-4	7-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
Ammonium chloride (12125-02-9)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			
Dimethylol-5,5-dimethylhydantoin (6440-58-0)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory			

#### US State Regulations

OS State Regulations		
Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt (9004-82-4)		
U.S Texas - Effects Screening Levels - Long Term		
U.S Texas - Effects Screening Levels - Short Term		
Sulfuric acid, mono-Cl0-16-alkyl esters, sodium salts (68585-47-7)		
U.S Texas - Effects Screening Levels - Long Term		
U.S Texas - Effects Screening Levels - Short Term		

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### Ammonium chloride (12125-02-9)

- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Louisiana Reportable Quantity List for Pollutants
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- RTK-U.S. Massachusetts Right To Know List
- U.S. Michigan Occupational Exposure Limits STELs
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Michigan Polluting Materials List
- U.S. Minnesota Hazardous Substance List
- U.S. Minnesota Permissible Exposure Limits STELs
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- RTK-U.S. New Jersey Right to Know Hazardous Substance List
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- $U.S. North\ Dakota Air\ Pollutants Guideline\ Concentrations 1-Hour$
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Oregon Permissible Exposure Limits TWAs
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- RTK-U.S. Pennsylvania RTK (Right to Know) List
- U.S. South Carolina Toxic Air Pollutants Maximum Allowable Concentrations
- U.S. South Carolina Toxic Air Pollutants Pollutant Categories
- U.S. Tennessee Occupational Exposure Limits STELs
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Vermont Permissible Exposure Limits STELs
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits TWAs

Listed on the Canadian DSL(Domestic Substances List) inventory.

### Canadian Regulations

# Heavy Duty Boat Soap WHMIS Classification

Class D Division 2 Subdivision B - Toxic material causing other toxic effects



WHMIS Classification

Poly(oxy-1,2-ethanediyl), .alphasulfoomega(dodecyloxy)-, sodium salt (9004-82-4)		
Listed on the Canadian DSL(Domestic Substances List) inventory.		
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects	
	Class E - Corrosive Material	
Sulfuric acid, mono-Cl0-16-alkyl esters, sodium salts (68585-47-7)		

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Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivatives, hydroxides, inner salts (61789-40-0)	
Listed on the Canadian DSL(Domestic Substances List) inventory.	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	Class E - Corrosive Material
Ammonium chloride (12125-02-9)	
Listed on the Canadian DSL(Domestic Substances List) inventory.	
Listed on the Canadian Ingredient Disclosure List	
IDLConcentration 1 %	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Dimethylol-5,5-dimethylhydantoin (6440-58-0)	
Listed on the Canadian DSL(Domestic Substances List) inventory.	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Revision date : 07/28/2014

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA

Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute toxicity (oral) Category 4
Hazardous to the aquatic environment - Acute Hazard Category 1
Hazardous to the aquatic environment - Acute Hazard Category 2
Hazardous to the aquatic environment - Chronic Hazard Category 2
Aspiration hazard Category 1
Serious eye damage/eye irritation Category 1
Serious eye damage/eye irritation Category 2A
Skin corrosion/irritation Category 1B
Skin corrosion/irritation Category 2
Specific target organ toxicity (repeated exposure) Category 2
Harmful if swallowed
May be fatal if swallowed and enters airways
Causes severe skin burns and eye damage
Causes skin irritation
Causes serious eye damage
Causes serious eye irritation
May cause damage to organs through prolonged or repeated exposure
Very toxic to aquatic life
Toxic to aquatic life
Toxic to aquatic life with long lasting effects

NFPA Health Hazard : 1 - Exposure could cause irritation but only minor residual

injury even if no treatment is given.

NFPA Fire Hazard : 0 - Materials that will not burn.

NFPA Reactivity : 0 - Normally stable, even under fire exposure conditions,

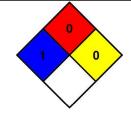
and are not reactive with water.

Party Responsible for the Preparation of This

Document West Marine

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Phone Number: (831)728-2700



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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS 2

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