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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: Marine Spray Nine®
Product Type: Multi-Purpose Germicidal Cleaner
Product Trade Name: 26932

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
2-BUTOXYETHANOL 111-76-2	1-5	20 ppm	50 ppm; 240 mg/m ³
ETHOXYLATED C9-C11 ALCOHOLS 68439-46-3	1-5	NA	NA

3. HAZARDS IDENTIFICATION

Effects of Acute Exposure: Product may cause reversible eye and skin irritation.
May irritate respiratory system upon frequent or prolonged use

Primary Routes of Entry: Eye and skin contact, inhalation

Signs and Symptoms of Exposure: Overexposure may cause eye and skin redness May cause inflammation of mucous membranes and irritation Ingestion may cause nausea and vomiting

Medical Conditions Recognized as Being Aggravated by Exposure: None known. Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

Chronic Health Hazard None known

4. FIRST AID MEASURES

Eye Contact: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Contact a physician if irritation persists.

Skin Contact: Immediately remove contaminated clothing and excess contaminant. Flush with water for at least 15 minutes. Wash thoroughly with soap and water. Consult a physician if irritation develops

Ingestion: If swallowed, DO NOT induce vomiting. Give victim water, call a physician immediately. Never give anything by mouth to an unconscious person

Inhalation: Move to fresh air; get medical attention if symptoms persist

Notes to Physician: Treat symptomatically

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): 182°F/83°C TCC

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

Special Fire-Fighting Procedures: Wear suitable protective equipment. Use water spray to cool exposed containers.

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

Unusual Fire/Explosion Hazards: Does not sustain combustion (ASTM D4206).

Sensitivity to Static Discharge: Sensitivity to static discharge is not expected

Mechanical Sensitivity: None reasonably foreseeable

Product Name: Marine Spray Nine®

5. FIRE FIGHTING MEASURES

Lower Explosive Limit: Not determined
Upper Explosive Limit: Not determined

6. ACCIDENTAL RELEASE MEASURES

Spills may cause slippery floors. Prevent spill from entering drainage/sewer systems, waterways and surface water. Notify local health authorities and other appropriate agencies if such contamination occurs.

7. HANDLING AND STORAGE

Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Store below 100°F. Do not allow freezing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses
Skin: Chemical resistant gloves
Ventilation: Use only in well ventilated area.
Respiratory Protection: Not required under normal use

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless to slightly colored solution	Odor:	Mild
Boiling Point:	~212°F/~100°C	Freezing Point:	~32°F/ ~0°C
pH:	~12.6	Solubility in Water:	Completely soluble
Specific Gravity:	~1.022 g/ml	Vapor Pressure:	~18 mm Hg
Vapor Density (Air=1):	>1	% Volatile:	~95
VOC(Wt.%):	<4% by weight	Evaporation Rate:	<1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizers
Conditions to Avoid: Avoid temperatures greater than 100°F. Freezing conditions.
Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Product Toxicity

Eyes: Draize Test: 27.3 out of 110	Skin: Draize Test 2.5 out of 10 LD50: >5,000 mg/kg (Rat)	Inhalation LC50: >200 g/L (Rat)	Oral LD50: >5,000 mg/kg (Rat)
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12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

Ground Transport (DOT)

DOT Shipping Name:	Not Regulated
Hazard Class:	None
UN/ID Number:	None

TDG(Transport of Dangerous Goods) Canada

Proper Shipping Name:	Not Regulated
Hazard Class:	None
UN/ID No:	None

15. REGULATORY INFORMATION

SARA 302 Extremely Hazardous Substances: None

Product Name: Marine Spray Nine®

15. REGULATORY INFORMATION

SARA 313 Toxic Chemicals: 2-butoxyethanol (Glycol ethers)
SARA (311, 312) Hazard Class: Acute health hazard

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

California Proposition 65: No California Prop 65 chemicals are known to be present.

WHMIS Hazard Class: Exempt

16. OTHER INFORMATION

HEALTH 1, FLAMMABILITY 0, PHYSICAL HAZARD 0, PERSONAL PROTECTION B
HMIS is a registered trademark of the National Paint and Coatings Assn.

Estimated NFPA Rating:

HEALTH 1, FLAMMABILITY 0, REACTIVITY 0
NFPA is a registered trademark of the National Fire Protection Assn.

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