

Mar-Len Supply, Inc.
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Nokomis 3F4 Safety Data Sheet

1. IDENTIFICATION

Product Name: Nokomis 3F4
Product Code: 3-F4
Product Type and Use: Oil Spill Cleanup Agent / Dispersant
Manufacturer: Mar-Len Supply, Inc.
23159 Kidder Street
Hayward, CA 94545
Contact: Telephone: 1-510-782-3555 Fax: 510-782-2032
Emergency Telephone: 1-510-782-3555

2. HAZARDS IDENTIFICATION

Hazard Classification
Health Hazard(s) Eye Irritation Category 2B
Physical Hazard(s) None
Hazard(s) not otherwise classified None

Labeling
Signal Word: WARNING
Pictograms: None
Statements of Hazard
Hazard Statements Causes eye irritation
Precautionary Statements Wash hands thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent by Wt.
Nonylphenol, ethoxylated	9016-45-9	1-5*
Monoethanolamine	141-43-5	0.1-1*

* Exact percentage of composition has been withheld as a trade secret

4. FIRST AID MEASURES

General Advice: May cause eye irritation. Avoid prolonged or repeated contact. Do not swallow. Avoid breathing mist.
Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Skin Contact: Remove contaminated clothing. Wash with plenty of water. If skin irritation occurs: get medical attention.
Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical attention.
Ingestion: Do not give anything by mouth to an unconscious person. Do not induce vomiting unless advised to do so by a doctor or poison control center. Rinse mouth. Call a doctor if you feel unwell.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Product does not support combustion. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Suitable: Carbon Dioxide, Dry Chemical, and Foam

Unsuitable: Alcohol, Alcohol based solutions

Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool fire-exposed containers with water spray.

Unusual Fire and Explosion Hazards: None known.

Hazardous Combustion/ Decomposition Products: Oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions / Protective Equipment / Emergency Procedures: Use caution as spills may be slippery. Ensure adequate ventilation. Use personal protective equipment.

Methods and materials for containment and cleaning up: Approved by the State of California, Department of Fish and Wildlife, Office of Spill Prevention and Response as a dispersant for use in navigable waterways (ocean, lakes, streams, and estuaries). Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (if permitted by local sewer regulations). Dike and contain large spills with inert absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer liquid to plastic containers. Use clean tools to collect absorbed material and transfer to a properly labeled container for recovery or disposal according to applicable regulations.

7. HANDLING AND STORAGE

HANDLING

Precautions for Safe Handling: Avoid prolonged or repeated skin contact. Avoid eye contact. Follow all SDS/label precautions.

STORAGE

Conditions to avoid: Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Component	ACGIH		OSHA		STEL ppm	STEL mg/m3
	TLV ppm	TLV mg/m3	PEL ppm	PEL mg/m3		
Nonylphenol, ethoxylated	N/E	N/E	N/E	N/E	N/E	N/E
Monoethanolamine	1	2.5	3	6	6	7.6 (skin)

Engineering Controls: None required. Use with general ventilation.

Personal Protection

Respiratory Protection: None required under normal use conditions.

Hand / Skin Protection: None required under normal conditions of use. For repeated or prolonged contact, sensitive users should wear impermeable gloves such as neoprene or nitrile rubber gloves.

Eye / Face Protection: Safety glasses with side-shields.

General Hygiene Measures: Avoid eye contact. Always wash hands and face before eating, drinking or smoking. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent	Autoignition Temperature:	Not applicable
Physical State:	Semi-viscous liquid	Volatile by volume (%):	82
Odor:	Detergent	Vapor Density (Air=1):	1
Color:	Light Straw	Evaporation Rate (BuAc= 1):	<1
Viscosity, cSt @ 40°C:	Not established	Vapor Pressure, mmHg @23°C:	21.1
cSt @ 100°C:	Not established	Solubility in water:	Complete
pH:	10.5	Octanol/Water Partition:	
Boiling Point/ Range:	>200°F / 93°C	Monoethanolamine	-1.91
Melting Point:	>32°F / 0°C	VOC Content (%):	0
Flash Point:	Non-flammable	Specific Gravity @15.6°C:	1.07
Method:	Not applicable	Density (pounds/gallon)	8.9
Lower Explosive Limit, vol %:	Not applicable	Pour Point:	>32°F / 0°C
Upper Explosive Limit, vol %:	Not applicable	Non-volatile by Volume (%):	18

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures.

Conditions to Avoid: None known

Hazardous Polymerization: Will not occur.

Materials to Avoid: Oxidizing agents and strong acids.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information: Not established

Ingredient Information:

Nonylphenol, ethoxylated: Orl-Rat LD50: 3310 mg/kg; Skn-Rbt: >2000 mg/kg

Monoethanolamine: Orl-Rat LD50: 1089-1720 mg/kg; Skn-Rbt: 1000-2504 mg/kg; Ihl-Rat LC50, Rat, 4 Hour, vapor, > 1.48 mg/l est.

Acute Effects

Signs and Symptoms of Overexposure: Eye irritation, Coughing/Sneezing

Inhalation: Prolonged or repeated inhalation of mist may cause respiratory irritation with nasal discomfort and discharge, coughing and sneezing.

Skin Contact: Prolonged or repeated contact may cause redness and itching in sensitive individuals.

Eye Contact: May cause tearing and redness.

Ingestion: Ingestion of large amounts may cause nausea, vomiting and diarrhea.

Primary Route(s) of Exposure: Eyes, Skin, Inhalation

Primary Route(s) of Entry: Inhalation, Ingestion

Target Organs: eyes, respiratory system

Chronic Effects: None known

Carcinogenicity: Not established

Medical Conditions Aggravated by Exposure: May aggravate existing eye conditions.

12. ECOLOGICAL INFORMATION

Product Data: Not established

Ingredient Data:

Nonylphenol, ethoxylated: Toxicity to fish: Acute LC50 1.3 mg/kg 96 hr. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.

Monoethanolamine: Toxicity to fish: Acute LC50/EC50 between 1 and 10 mg/L in the most sensitive species tested. Moderately toxic to aquatic organisms

Elimination Information:

Nonylphenol, ethoxylated: Biodegradability 60%- Inherent- 28 days: Not Readily Biodegradable

Monoethanolamine: Biodegradability: > 90% 21 days: Readily biodegradable. OECD 301A test 10-day Window: Pass

13. DISPOSAL CONSIDERATIONS

Product: Dispose of in accordance with applicable regulations.

Container: Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

Road Transport

DOT Hazard Class: Non-Regulated

Sea Transport

IMDG/GGV See Class: Non-Regulated

Air Transport

ICAO/IATA Class: Non-Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All components are included on the Inventory

Superfund Amendments and Reauthorization Act (SARA) Title III:

Immediate Hazard	Delayed Hazard	Fire Hazard	Pressure Hazard	Reactivity Hazard
X	-	-	-	-

16. OTHER INFORMATION

Prepared by: Mar-Len Supply, Inc.

Revision Date: 12/28/2015

Supersedes Date: 9/24/2015

Revision Indicator: v 1.0 New OSHA 2012 SDS

National Fire Protection Association (704)

Health: 1 Flammability: 1 Reactivity: 0 Other: -

The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results and assume no liability for damage incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical and application of such products is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the sole responsibility of the user to comply with all applicable Federal, State and Local Laws and Regulations. Any questions with regards to information contained herein should be referred to: Mar-Len Supply, Inc.