

# Material Safety Data Sheet

## Verifi™ Lures

SDS # : 7226-A  
Revision Date: 2012-04-11  
Version 2



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This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

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<b>Product name</b>	<b>Verifi™ Lures</b>
<b>Formula</b>	This product consists of 2 separate components. Below an MSDS is provided for each of the components.
<b><u>Manufacturer</u></b> FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com	<b><u>Emergency telephone number</u></b>  For leak, fire, spill or accident emergencies, call: +1 800.424.9300 (CHEMTREC - U.S.A.) +1 703.527.3887 (CHEMTREC - Collect - All Other Countries), Medical Emergencies: (800) 331-3148 (U.S.A. & Canada) +1 (651) 632-6793 (All Other Countries - Collect)

<b>Revision Date:</b>	2012-04-11
<b>Reason for revision:</b>	New Product

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#### Prepared By

FMC Corporation

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**End of Material Safety Data Sheet**

# Material Safety Data Sheet

## Verifi™ Lure 1

SDS #: 6944-A  
Revision Date: 2011-09-20  
Version 1



This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	Verifi™ Lure 1
<b>Manufacturer</b> FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com	<b>Emergency telephone number</b>  For leak, fire, spill or accident emergencies, call: +1 800.424.9300 (CHEMTREC - U.S.A.) +1 703.527.3887 (CHEMTREC - Collect - All Other Countries), Medical Emergencies: (800) 331-3148 (U.S.A. & Canada) +1 (651) 632-6793 (All Other Countries - Collect)

### 2. Hazards identification

<b>Appearance</b>	Clear, colorless liquid
<b>Physical State</b>	liquid
<b>Odor</b>	Gasoline-like
<b>Flammable properties</b>	Flammable liquid
<b>Potential health effects</b>	
<b>Acute effects</b>	
<b>Eyes</b>	Irritating to eyes.
<b>Skin</b>	Irritating to skin.
<b>Inhalation</b>	Harmful if inhaled. May cause irritation of respiratory tract. May cause drowsiness and dizziness.
<b>Ingestion</b>	Potential for aspiration if swallowed. May cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic effects</b>	Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse kidney effects. May cause adverse liver effects.

### 3. Composition/information on ingredients

#### Hazardous ingredients

Chemical Name	CAS-No	Weight %
n-Nonane	111-84-2	95-100
Trans-2-octenal	2548-87-0	1-5

### 4. First aid measures

Eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

**Flammable properties** Flammable liquid

**Flash Point Method** 31 °C / 87.8 °F  
closed cup

### Special hazards arising from the substance or mixture

**Sensitivity to Mechanical Impact** not applicable  
**Sensitivity to Static Discharge** not applicable

### Extinguishing media

**Suitable extinguishing media** Water spray, Dry chemical, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>).

### Advice for fire-fighters

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus and full protective gear.

### NFPA

<b>Health Hazard</b>	2
<b>Flammability</b>	3
<b>Stability</b>	0
<b>Special Hazards</b>	-

## 6. Accidental release measures

<b>Personal precautions</b>	Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
<b>Environmental precautions</b>	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.
<b>Methods for containment</b>	Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

**Other** For further clean-up instructions call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

## 7. Handling and storage

**Handling** Do not contaminate water, food or feed by storage or disposal.

**Storage** Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store in original container only.

## 8. Exposure controls/personal protection

### Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
n-Nonane 111-84-2	TWA: 200 ppm		TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>	Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m <sup>3</sup> Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m <sup>3</sup>

Chemical Name	British Columbia	Quebec	Ontario TWAEV	Alberta
n-Nonane 111-84-2	TWA: 200 ppm	TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>	TWA: 200 ppm	TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>

### Occupational exposure controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

### Personal protective equipment

**Eye/face protection** When used according to use directions, no special eye protection is required. Handling during manufacture or in the event of an accidental release requires use of safety glasses or a face shield..

**Respiratory protection** Avoid breathing vapor or mist.

**Skin and body protection** Follow use directions. Avoid contact with skin and clothing.

**Hand protection** Protective gloves

**Hygiene measures** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

## 9. Physical and chemical properties

**Appearance** Clear, colorless liquid  
**Physical State** liquid  
**Odor** Gasoline-like  
**pH** No information available  
**Melting Point/Range** No information available  
**Freezing point** No information available  
**Boiling Point/Range** not applicable

Flash Point	31 °C / 87.8 °F closed cup
Evaporation rate	not applicable
Autoignition Temperature	not applicable
Flammable properties	Flammable liquid
Vapor pressure	not applicable
Vapor density	No information available
Relative density	No information available
Water solubility	No information available
Percent volatile	No information available
Partition coefficient:	not applicable
Viscosity	No information available
Oxidizing properties	not applicable

## 10. Stability and reactivity

Stability	Stable
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides
Hazardous polymerization	Hazardous polymerization does not occur

## 11. Toxicological information

Eye contact	Expected to be an irritant based on components
Skin contact	Expected to be an irritant based on components
Ingestion	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation	May cause irritation of respiratory tract. May cause drowsiness and dizziness.

LC50 Inhalation: 3200 ppm 4 hr (rat) 17000 mg/m<sup>3</sup> (4-hr) (rat)

### Chronic Toxicity - Other Ingredient(s)

Chronic Toxicity	Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse kidney effects. May cause adverse liver effects.
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
Target Organ Effects	Skin, Kidney, Liver, Blood, Respiratory system.

Chemical Name	ACGIH	IARC	NTP	OSHA	NIOSH - Target Organs
n-Nonane					eyes,CNS,respiratory system,skin

## 12. Ecological information

Ecotoxicity	
Ecotoxicity effects	No information available.

## Environmental Fate

Chemical Name	log Pow
n-Nonane	3.31-3.92

### 13. Disposal considerations

<b>Waste disposal methods</b>	If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.
<b>Contaminated packaging</b>	Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions

### 14. Transport information

<b>Note</b>	Each lure contains 1.2 mL Nonanes solution.
<b>DOT</b>	Ship as Limited Quantity per 49 CFR 173.1506. Shipping papers exempt per 49 CFR 172.200b3. Carton marks include Limited Quantity mark and orientation arrows.
<b>Proper shipping name</b>	Nonanes solution
<b>Hazard Class</b>	3
<b>UN/ID No</b>	UN1920
<b>Packing group</b>	III
<b>TDG</b>	Ship as Limited Quantity. Carton marks include Limited Quantity and Class 9 Diamond.
<b>Proper shipping name</b>	Nonanes solution
<b>Hazard Class</b>	3
<b>UN/ID No</b>	UN1920
<b>Packing group</b>	III
<b>ICAO/IATA</b>	Carton Marks: Limited quantity air, orientation arrows, Class 9 Diamond, Consumer Commodity, ID8000
<b>UN/ID No</b>	ID8000
<b>Proper shipping name</b>	Consumer Commodity
<b>Hazard Class</b>	3
<b>Packing group</b>	III
<b>Limited quantity</b>	10 L
<b>IMDG/IMO</b>	Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows.
<b>Proper shipping name</b>	Nonanes Solution
<b>Hazard Class</b>	3
<b>UN/ID No</b>	UN1920
<b>Packing group</b>	III
<b>EmS No.</b>	F-E, S-E

### 15. Regulatory information

#### U.S. Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**TSCA Inventory (United States of America)**

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 4 - Chemical Test Rules (40 CFR 799)	U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)
n-Nonane	40 CFR 799.5115	

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 8(a) - Chemical-Specific Reporting and Recordkeeping
n-Nonane	PAIR: 01/26/1994

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances
n-Nonane	01/26/1994

**International Regulations****Mexico - Grade**

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Mexico
n-Nonane		Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m <sup>3</sup> Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m <sup>3</sup>

**Canada**

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

WHMIS Hazard Class

B2 Flammable liquid  
D2B Toxic materials**16. Other information**

Revision Date: 2011-09-28  
Reason for revision: No information available

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# Material Safety Data Sheet

## Verifi™ Lure 2

SDS #: 6936-A  
Revision Date: 2012-04-11  
Version 2



This MSDS has been prepared to meet U.S. OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name</b>	Verifi™ Lure 2
<b>Manufacturer</b> FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com	<b>Emergency telephone number</b>  For leak, fire, spill or accident emergencies, call: +1 800.424.9300 (CHEMTREC - U.S.A.) +1 703.527.3887 (CHEMTREC - Collect - All Other Countries), Medical Emergencies: (800) 331-3148 (U.S.A. & Canada) +1 (651) 632-6793 (All Other Countries - Collect)

### 2. Hazards identification

<b>Appearance</b>	Clear, colorless liquid
<b>Physical State</b>	liquid
<b>Odor</b>	Gasoline-like
<b>Flammable properties</b>	Flammable liquid
<b>Potential health effects</b>	
<b>Acute effects</b>	
<b>Eyes</b>	Irritating to eyes.
<b>Skin</b>	Irritating to skin.
<b>Inhalation</b>	Harmful if inhaled. May cause irritation of respiratory tract. May cause drowsiness and dizziness.
<b>Ingestion</b>	Potential for aspiration if swallowed. May cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic effects</b>	Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse kidney effects. May cause adverse liver effects.

### 3. Composition/information on ingredients

#### Hazardous ingredients

Chemical Name	CAS-No	Weight %
n-Nonane	111-84-2	>95
Butyric acid	107-92-6	<0.1

### 4. First aid measures

Eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

**Flammable properties** Flammable liquid

**Flash Point Method** 31 °C / 87.8 °F  
closed cup

### Special hazards arising from the substance or mixture

**Sensitivity to Mechanical Impact** not applicable  
**Sensitivity to Static Discharge** not applicable

### Extinguishing media

**Suitable extinguishing media** Water spray, Dry chemical, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>).

### Advice for fire-fighters

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus and full protective gear.

### NFPA

<b>Health Hazard</b>	2
<b>Flammability</b>	3
<b>Stability</b>	0
<b>Special Hazards</b>	-

## 6. Accidental release measures

<b>Personal precautions</b>	Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.
<b>Environmental precautions</b>	Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.
<b>Methods for containment</b>	Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Methods for cleaning up</b>	Clean and neutralize spill area, tools and equipment by washing with bleach water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

**Other** For further clean-up instructions call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

## 7. Handling and storage

**Handling** Do not contaminate water, food or feed by storage or disposal.

**Storage** Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Store in original container only.

## 8. Exposure controls/personal protection

### Exposure guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
n-Nonane 111-84-2	TWA: 200 ppm		TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>	Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m <sup>3</sup> Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m <sup>3</sup>

Chemical Name	British Columbia	Quebec	Ontario TWAEV	Alberta
n-Nonane 111-84-2	TWA: 200 ppm	TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>	TWA: 200 ppm	TWA: 200 ppm TWA: 1050 mg/m <sup>3</sup>

### Occupational exposure controls

**Engineering measures** Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

### Personal protective equipment

**Eye/face protection** When used according to use directions, no special eye protection is required. Handling during manufacture or in the event of an accidental release requires use of safety glasses or a face shield.

**Respiratory protection** Avoid breathing vapor or mist.

**Skin and body protection** Follow use directions. Avoid contact with skin and clothing.

**Hand protection** Protective gloves

**Hygiene measures** Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

## 9. Physical and chemical properties

**Appearance** Clear, colorless liquid  
**Physical State** liquid  
**Odor** Gasoline-like  
**pH** No information available  
**Melting Point/Range** No information available  
**Freezing point** No information available  
**Boiling Point/Range** not applicable

Flash Point	31 °C / 87.8 °F closed cup
Evaporation rate	not applicable
Autoignition Temperature	not applicable
Flammable properties	Flammable liquid
Vapor pressure	not applicable
Vapor density	No information available
Relative density	No information available
Water solubility	No information available
Percent volatile	No information available
Partition coefficient:	not applicable
Viscosity	No information available
Oxidizing properties	not applicable

## 10. Stability and reactivity

Stability	Stable
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides
Hazardous polymerization	Hazardous polymerization does not occur

## 11. Toxicological information

Eye contact	Expected to be an irritant based on components
Skin contact	Expected to be an irritant based on components
Ingestion	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation	May cause irritation of respiratory tract. May cause drowsiness and dizziness.

LC50 Inhalation: 3200 ppm 4 hr (rat) 17000 mg/m<sup>3</sup> (4-hr) (rat)

### Chronic Toxicity - Other Ingredient(s)

Chronic Toxicity	Prolonged skin contact may defat the skin and produce dermatitis. May cause adverse kidney effects. May cause adverse liver effects.
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).
Target Organ Effects	Skin, Kidney, Liver, Blood, Respiratory system.

Chemical Name	ACGIH	IARC	NTP	OSHA	NIOSH - Target Organs
n-Nonane					eyes,CNS,respiratory system,skin

## 12. Ecological information

Ecotoxicity	
Ecotoxicity effects	No information available.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Butyric acid	46.7 mg/L EC50 72 h (Desmodesmus subspicatus)		EC50 = 16.9 mg/L 5 min EC50 = 16.9 mg/L 15 min EC50 = 17.2 mg/L 25 min EC50 = 10.1 mg/L 15 min	EC50 61.7 mg/L 24 h

**Environmental Fate**

Chemical Name	log Pow
n-Nonane	3.31-3.92
Butyric acid	0.79

**13. Disposal considerations**

<b>Waste disposal methods</b>	If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance.
<b>Contaminated packaging</b>	Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions

**14. Transport information**

<b>Note</b>	Each lure contains 1.2 mL Nonanes solution.
<b>DOT</b>	Ship as Limited Quantity per 49 CFR 173.1506. Shipping papers exempt per 49 CFR 172.200b3. Carton marks include Limited Quantity mark and orientation arrows.
<b>Proper shipping name</b>	Nonanes solution
<b>Hazard Class</b>	3
<b>UN/ID No</b>	UN1920
<b>Packing group</b>	III
<b>TDG</b>	Ship as Limited Quantity. Carton marks include Limited Quantity and Class 9 Diamond.
<b>Proper shipping name</b>	Nonanes solution
<b>Hazard Class</b>	3
<b>UN/ID No</b>	UN1920
<b>Packing group</b>	III
<b>ICAO/IATA</b>	Carton Marks: Limited quantity air, orientation arrows, Class 9 Diamond, Consumer Commodity, ID8000
<b>UN/ID No</b>	ID8000
<b>Proper shipping name</b>	Consumer Commodity
<b>Hazard Class</b>	3
<b>Packing group</b>	III
<b>Limited quantity</b>	10 L
<b>IMDG/IMO</b>	Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows.
<b>Proper shipping name</b>	Nonanes Solution
<b>Hazard Class</b>	3
<b>UN/ID No</b>	UN1920
<b>Packing group</b>	III
<b>EmS No.</b>	F-E, S-E

**15. Regulatory information**

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Butyric acid	5000 lb	

**TSCA Inventory (United States of America)**

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 4 - Chemical Test Rules (40 CFR 799)	U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)
n-Nonane	40 CFR 799.5115	

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 8(a) - Chemical-Specific Reporting and Recordkeeping
n-Nonane	PAIR: 01/26/1994

Chemical Name	U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances
n-Nonane	01/26/1994

**International Regulations****Mexico - Grade**

Serious risk, Grade 3

Chemical Name	Carcinogen Status	Mexico
n-Nonane		Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m <sup>3</sup> Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m <sup>3</sup>

**Canada**

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

**WHMIS Hazard Class**B2 Flammable liquid  
D2B Toxic materials**16. Other information**

**Revision Date:** 2012-04-11  
**Reason for revision:** No information available

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