

Material Safety Data Sheet

Verifi™ Lures

SDS # : 7226-A
Revision Date: 2012-07-2
Version 3



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.

| | |
|---|---|
| Product name | Verifi™ Lures |
| Formula | This product consists of 2 separate components. Below an MSDS is provided for each of the components. |
| <u>Manufacturer</u> FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com | <u>Emergency telephone number</u> 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) |

| | |
|-----------------------------|--------------|
| Revision Date: | 2012-07-2 |
| Reason for revision: | Minor Change |

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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: 2012-07-02
Version 3.03



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

Product name Verifi™ Lure 1

Manufacturer

FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103
General Information:
Phone: (215) 299-6000
E-Mail: msdsinfo@fmc.com

Emergency telephone number

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

Appearance Clear, colorless liquid

Physical state liquid

Odor Gasoline-like

Flammable properties Flammable liquid

Potential health effects

Acute effects

Eyes Irritating to eyes.

Skin Irritating to skin.

Inhalation May be harmful if inhaled. May cause irritation of respiratory tract. May cause drowsiness and dizziness.

Ingestion Potential for aspiration if swallowed. May cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic effects 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 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 |
| Sensitivity to Mechanical Impact | not applicable |
| Sensitivity to Static Discharge | not applicable |
| Suitable extinguishing media | Water spray, Dry chemical, Alcohol-resistant foam, Carbon dioxide (CO ₂). |
| Protective equipment and precautions for firefighters | As in any fire, wear self-contained breathing apparatus and full protective gear. |
| NFPA | |
| Health Hazard | 2 |
| Flammability | 3 |
| Stability | 0 |
| Special Hazards | - |

6. Accidental release measures

| | |
|----------------------------------|--|
| Personal precautions | 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. |
| Environmental precautions | Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. |
| Methods for containment | Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. |
| Methods for cleaning up | 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 | Mexico |
|----------------------|------------------|--|--|--|
| n-Nonane 111-84-2 | TWA: 200 ppm | | TWA: 200 ppm TWA: 1050 mg/m ³ | Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m ³ Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m ³ |
| Chemical Name | British Columbia | Quebec | Ontario TWAEV | Alberta |
| n-Nonane 111-84-2 | TWA: 200 ppm | TWA: 200 ppm TWA: 1050 mg/m ³ | TWA: 200 ppm | TWA: 200 ppm TWA: 1050 mg/m ³ |

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

General Information 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 or 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 | No information available |
| Vapor 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/m³ (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

| | |
|-------------------------------|---|
| Waste disposal methods | If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. |
| Contaminated packaging | 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

| | |
|-----------------------------|---|
| Note DOT | Each lure contains <2.0 mL Nonanes solution. The volume of the hazardous material in the individual container is less than 5.0 L (1.3 gallons) net capacity for each packaging. Therefore it is classified for road transport as a Limited Quantity dangerous good material as described in 49 CFR paragraph 173.150(b). |
| Proper shipping name | Nonanes |
| Hazard Class | 3 |
| UN/ID No | UN1920 |
| Packing group | III |
| TDG | The volume of the hazardous material in the individual container is less than 5,0 L net capacity for each packaging. Therefore it is classified as a Limited Quantity dangerous goods material as described in TDG Regulation 1.17. |
| Proper shipping name | Nonanes |
| Hazard Class | 3 |
| UN/ID No | UN1920 |
| Packing group | III |
| ICAO/IATA | Carton Marks: Limited quantity air, orientation arrows, Class 9 Diamond, Consumer Commodity, ID8000 |
| UN/ID No | ID8000 |
| Proper shipping name | Nonanes |
| Hazard Class | 3 |
| Packing group | III |
| Limited quantity | 10 L |
| IMDG/IMO | Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows. |
| Proper shipping name | Nonanes |
| Hazard Class | 3 |
| UN/ID No | UN1920 |
| Packing group | III |
| EmS No. | 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 ³ Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m ³ |

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: 2012-07-02
Reason for revision: No information available.

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End of Material Safety Data Sheet

Material Safety Data Sheet

Verifi™ Lure 2

SDS #: 6936-A

Revision Date: 2012-07-02

Version 2.02



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

| | |
|--|---|
| Product name | Verifi™ Lure 2 |
| Manufacturer FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com | Emergency telephone number 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

| | |
|---------------------------------|--|
| Appearance | Clear, colorless liquid |
| Physical state | liquid |
| Odor | Gasoline-like |
| Flammable properties | Flammable liquid |
| Potential health effects | |
| Acute effects | |
| Eyes | Irritating to eyes. |
| Skin | Irritating to skin. |
| Inhalation | May be harmful if inhaled. May cause irritation of respiratory tract. May cause drowsiness and dizziness. |
| Ingestion | Potential for aspiration if swallowed. May cause lung damage if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Chronic effects | 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 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 |
| Sensitivity to Mechanical Impact Sensitivity to Static Discharge | not applicable not applicable |
| Suitable extinguishing media | Water spray, Dry chemical, Alcohol-resistant foam, Carbon dioxide (CO ₂). |
| Protective equipment and precautions for firefighters | As in any fire, wear self-contained breathing apparatus and full protective gear. |
| NFPA | |
| Health Hazard | 2 |
| Flammability | 3 |
| Stability | 0 |
| Special Hazards | - |

6. Accidental release measures

| | |
|----------------------------------|--|
| Personal precautions | 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. |
| Environmental precautions | Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. |
| Methods for containment | Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. |
| Methods for cleaning up | 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 other pesticides, fertilizers, 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 protectionExposure guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH | Mexico |
|----------------------|------------------|---|---|--|
| n-Nonane 111-84-2 | TWA: 200 ppm | | TWA: 200 ppm TWA: 1050 mg/m ³ | Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m ³ Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m ³ |
| Chemical Name | British Columbia | Quebec | Ontario TWAEV | Alberta |
| n-Nonane 111-84-2 | TWA: 200 ppm | TWA: 200 ppm TWA: 1050 mg/m ³ | TWA: 200 ppm | TWA: 200 ppm TWA: 1050 mg/m ³ |

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

General Information 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 | No information available |
| Vapor 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/m³ (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

| | |
|-------------------------------|---|
| Waste disposal methods | If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. |
| Contaminated packaging | 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

| | |
|---------------------------|---|
| Note DOT | Each lure contains <2.0 mL Nonanes solution. The volume of the hazardous material in the individual container is less than 5.0 L (1.3 gallons) net capacity for each packaging. Therefore it is classified for road transport as a Limited Quantity dangerous good material as described in 49 CFR paragraph 173.150(b). |
| Hazard Class | 3 |
| UN/ID No | UN1920 |
| Packing group | III |
| TDG | The volume of the hazardous material in the individual container is less than 5,0 L net capacity for each packaging. Therefore it is classified as a Limited Quantity dangerous goods material as described in TDG Regulation 1.17. |
| Hazard Class | 3 |
| UN/ID No | UN1920 |
| Packing group | III |
| ICAO/IATA | Carton Marks: Limited quantity air, orientation arrows, Class 9 Diamond, Consumer Commodity, ID8000 |
| UN/ID No | ID8000 |
| Hazard Class | 3 |
| Packing group | III |
| Limited quantity | 10 L |
| IMDG/IMO | Ship as Limited Quantity. Carton marks include Limited Quantity mark and orientation arrows. |
| Hazard Class | 3 |
| UN/ID No | UN1920 |
| Packing group | III |
| EmS No. | 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 ³ Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m ³ |

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 ClassB2 Flammable liquid
D2B Toxic materials**16. Other information**

Revision Date: 2012-07-02
Reason for revision: No information available.

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