Material Safety Data Sheet
Verifi™ Bed Bug Detector

SDS #: 6945-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.

Product name
Verifi™ Bed Bug Detector

Formula
This product consists of five separate components. Below an MSDS is provided for each of the components.

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)

Revision Date: 2012-04-11
Reason for revision: New Product

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End of Material Safety Data Sheet
Material Safety Data Sheet
Magnesium Chloride

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Magnesium Chloride

Synonyms: Magnesium chloride, hexahydrate; Magnesium chloride, 6-hydrate, crystal

Supplier
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: colorless flakes, crystals

Physical State: Solid

Odor: odorless

Flammable properties: None known

Potential health effects
Acute effects
- Eyes: May cause slight irritation.
- Skin: Substance may cause slight skin irritation.
- Inhalation: May cause irritation of respiratory tract.
- Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. However, if elimination is blocked by bowel blockage or other reasons, CNS depression, lack of reflexes, hypocalcemia (deficiency of calcium in the blood) may occur.

Chronic effects: No information available.

3. Composition/information on ingredients

Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td>7791-18-6</td>
<td>100</td>
</tr>
</tbody>
</table>

4. First aid measures
Magnesium Chloride

5. Fire-fighting measures

Flammable properties

Suitable extinguishing media

Water spray, Dry chemical, Alcohol-resistant foam, Carbon dioxide (CO₂).

Extinguishing media

Sensitivity to Static Discharge

not applicable

Advising for fire-fighters

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

NFPA

Health Hazard 1
Flammability 0
Stability 0
Special Hazards -

5.5 Special hazards arising from the substance or mixture

Sensitivity to Mechanical Impact

not applicable

6. Accidental release measures

Personal precautions

Isolate and post spill area. 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 cleaning up

Sweep up and shovel into suitable containers for disposal. 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.
Magnesium Chloride

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
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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
colorless flakes, crystals

Color
colorless

Physical State
Solid

Odor
odorless

pH
Neutral (5% in water)

Melting Point/Range
118 °C / 244

Freezing point
No information available

Boiling Point/Range
not applicable

Flash Point
not applicable

Evaporation rate
not applicable

Autoignition Temperature
not applicable

Flammable properties
None known

Vapor pressure
not applicable

Vapor density
No information available

Specific Gravity
1.57

Relative density
No information available

Molecular Weight
203.3
Magnesium Chloride

Water solubility: 167g/100mL
Percent volatile: No information available
Partition coefficient: not applicable
Viscosity: No information available
Oxidizing properties: not applicable

10. Stability and reactivity

Stability: Conversion to oxychloride upon strong ignition. When heated to temperatures above 300°C, it emits toxic fumes of chlorine gas.

Conditions to avoid: Heat, Moisture

Materials to avoid: 2-Peroxycarboxylic acid, Strong oxidizing agents

Hazardous decomposition products: Thermal decomposition can lead to release of toxic/corrosive gases and vapors: Hydrochloric acid.

Hazardous polymerization: Hazardous polymerization does not occur

11. Toxicological information

Eye contact: Product dust may cause mechanical eye irritation.
Skin contact: Substance may cause slight skin irritation.

LD50 Oral: 8100 mg/kg (rat)

Chronic Toxicity - Other Ingredient(s)

Chronic Toxicity: No information available

Carcinogenicity: Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnesium Chloride</td>
<td>2200 mg/L EC50 72 h (Desmodesmus subspicatus)</td>
<td>LC50 4210 mg/L Gambusia affinis 96 h LC50 1970-3880 mg/L Pimephales promelas 96 h</td>
<td></td>
<td>EC50 1400 mg/L 24 h EC50 140 mg/L 48 h</td>
</tr>
</tbody>
</table>

Environmental Fate

Persistence and degradability: No information available.

13. Disposal considerations
Magnesium Chloride

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

DOT
not regulated

TDG
not regulated

ICAO/IATA
not regulated

IMDG/IMO
not regulated

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
No
Chronic Health Hazard
No
Fire Hazard
No
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.

International Regulations

Mexico - Grade
Slight risk, Grade 1

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
Non-controlled
16. Other information

Revision Date: 2011-09-09
Reason for revision: New Product

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Prepared By

FMC Corporation

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Material Safety Data Sheet
Sodium Bicarbonate

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Sodium Bicarbonate
Synonyms: Sodium hydrogen carbonate; sodium acid carbonate; baking soda; bicarbonate of soda

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: white crystalline powder
Physical State: Solid
Odor: odorless
Flammable properties: None known
Potential health effects:
Acute effects:
Eyes: May cause irritation.
Skin: Substance may cause slight skin irritation.
Inhalation: May cause irritation of respiratory tract.
Ingestion: Ingestion of large amounts may cause gastrointestinal discomfort including blockage, nausea, vomiting and diarrhea.
Chronic effects: No information available.

3. Composition/information on ingredients

Hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>144-55-8</td>
<td>99-100</td>
</tr>
</tbody>
</table>

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: None known

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 (CO₂).

Advice for fire-fighters

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

NFPA

| Health Hazard | 1 |
| Flammability  | 0 |
| Stability     | 0 |
| Special Hazards | - |

6. Accidental release measures

Personal precautions: Isolate and post spill area. 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 cleaning up: Sweep up and shovel into suitable containers for disposal. 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.
Sodium Bicarbonate

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
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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
white crystalline

Color
white

Physical State
Solid

Odor
odorless

pH
8.3

Melting Point/Range
60 °C / 140

Freezing point
No information available

Boiling Point/Range
not applicable

Flash Point
not applicable

Evaporation rate
not applicable

Autoignition Temperature
not applicable

Flammable properties
None known

Vapor pressure
not applicable

Vapor density
No information available

Specific Gravity
2.2

Relative density
No information available

Water solubility
7.8%
Sodium Bicarbonate

10. Stability and reactivity

<table>
<thead>
<tr>
<th>Stability</th>
<th>Stable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions to avoid</td>
<td>Heat, Moisture</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Acids, Monoammonium phosphate or a sodium-potassium alloy</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Carbon oxides</td>
</tr>
<tr>
<td>Hazardous polymerization</td>
<td>Hazardous polymerization does not occur</td>
</tr>
</tbody>
</table>

11. Toxicological information

| Eye contact | May cause irritation. |
| Skin contact | Substance may cause slight skin irritation. |

LD50 Oral

4220 mg/kg (rat)

Chronic Toxicity - Other Ingredient(s)

| Chronic Toxicity | No information available |
| Carcinogenicity | Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH). |

12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Bicarbonate</td>
<td>650 mg/L EC50 120 h (Nitzschia linearis)</td>
<td>LC50 8250-9000 mg/L</td>
<td>Lepomis macrochirus 96 h</td>
<td>EC50 2350 mg/L 48 h</td>
</tr>
</tbody>
</table>

Environmental Fate

Persistence and degradability

No information available.

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. |
14. Transport information

DOT not regulated

TDG not regulated

ICAO/IATA not regulated

IMDG/IMO not regulated

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

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

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.

International Regulations

Mexico - Grade Slight risk, Grade 1

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 Non-controlled

16. Other information

Revision Date: 2011-09-14
Reason for revision: New Product
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Prepared By

FMC Corporation

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Verifi™ CO2 Booster 1

Manufacturer: FMC Corporation
Agricultural Products Group
1735 Market Street
Philadelphia, PA 19103

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: powder

Physical state: solid

Odor: odorless

Flammable properties: Powdered material may form explosive dust-air mixtures.

Potential health effects:
Acute effects
- Eyes: Severely irritating (eyes).
- Skin: May cause irritation.
- Inhalation: May cause irritation of respiratory tract.
- Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic effects: Repeated ingestion may cause tooth enamel erosion.

3. Composition/information on ingredients

Hazardous ingredients:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>5949-29-1</td>
<td>95-100</td>
</tr>
<tr>
<td>Amorphous silica gel</td>
<td>63231-67-4</td>
<td>1-5</td>
</tr>
<tr>
<td>Silica gel</td>
<td>112945-52-5</td>
<td>1-5</td>
</tr>
</tbody>
</table>

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**

Powdered material may form explosive dust-air mixtures.

**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.

### 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**

Use a wet sweeping compound or water to prevent dust formation.

**Methods for cleaning up**

Sweep up and shovel into suitable containers for disposal. 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>British Columbia</th>
<th>Quebec</th>
<th>Ontario TWA/VE</th>
<th>Alberta</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica gel 63231-67-4</td>
<td></td>
<td>TWA: 6 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

Respiratory protection

For dust, splash, mist or spray exposures wear a filtering mask.

Eye/face protection

For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield.

Skin and body protection

Wear long-sleeved shirt, long pants, socks, shoes, and gloves.

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: powder
Physical state: solid
Odor: odorless
pH: No information available.
Melting Point/Range: No information available.
Freezing point: No information available
Boiling Point/Range: not applicable
Flash Point: not applicable
Evaporation rate: not applicable
Autoignition Temperature: not applicable
Flammable properties: Powdered material may form explosive dust-air mixtures.
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
Heat, flames and sparks

Materials to avoid
Metal nitrates, Bases, Potassium tartrate, Copper alloys, copper, Aluminum, Aluminium alloys, Zinc, Zinc alloys

Hazardous decomposition products
Carbon oxides.

Hazardous polymerization
Hazardous polymerization does not occur

11. Toxicological information

Eye contact
Severely irritating (eyes).

Skin contact
Substance may cause skin irritation.

LD50 Oral
3000 mg/kg (Citric acid)

Chronic Toxicity - Other Ingredient(s)

Chronic Toxicity
Repeated ingestion may cause tooth enamel erosion.

Carcinogenicity
Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Target Organ Effects
Respiratory system.

12. Ecological information

Ecotoxicity

Environmental Fate

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>-1.72</td>
</tr>
</tbody>
</table>

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

DOT
not regulated
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: no
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.

International Regulations
Mexico - Grade: Moderate risk, Grade 2

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: D2B Toxic materials

16. Other information
Revision Date: 2012-03-09
Reason for revision: No information available.
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Prepared By

FMC Corporation

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End of Material Safety Data Sheet
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
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>111-84-2</td>
<td>95-100</td>
</tr>
<tr>
<td>Trans-2-octenal</td>
<td>2548-87-0</td>
<td>1-5</td>
</tr>
</tbody>
</table>

4. First aid measures
Verifi™ Lure 1

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

5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Flammable properties</th>
<th>Flammable liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>31 °C / 87.8 °F</td>
</tr>
<tr>
<td>Method</td>
<td>closed cup</td>
</tr>
</tbody>
</table>

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 (CO₂). |

Advice for fire-fighters

| 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.
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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>TWA: 200 ppm</td>
<td>TWA: 200 ppm TWA: 1050 mg/m³</td>
<td>Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m³</td>
<td></td>
</tr>
<tr>
<td>111-84-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>British Columbia</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
<th>Alberta</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>TWA: 200 ppm</td>
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</tr>
<tr>
<td>111-84-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Gasoline-like</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No information availableE</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>not applicable</td>
</tr>
</tbody>
</table>
**Verifi™ Lure 1**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>31 °C / 87.8 °F closed cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>not applicable</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flammable properties</td>
<td>Flammable liquid</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>not applicable</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>No information available</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td>not applicable</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

**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.
- 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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>NIOSH - Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>eyes, CNS, respiratory system, skin</td>
</tr>
</tbody>
</table>

**12. Ecological information**

**Ecotoxicity**

**Ecotoxicity effects**
- No information available.
Veri™ Lure 1

Revision Date: 2011-09-28

Version 1

Environmental Fate

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>3.31-3.92</td>
</tr>
</tbody>
</table>

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**

Each lure contains 1.2 mL Nonanes solution.

**DOT**

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.

**Proper shipping name**
Nonanes solution

**Hazard Class**
3

**UN/ID No**
UN1920

**Packing group**
III

**TDG**

Ship as Limited Quantity. Carton marks include Limited Quantity and Class 9 Diamond.

**Proper shipping name**
Nonanes solution

**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**
Consumer Commodity

**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 Solution

**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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>U.S. - TSCA (Toxic Substances Control Act) - Section 4 - Chemical Test Rules (40 CFR 799)</th>
<th>U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>40 CFR 799.5115</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>U.S. - TSCA (Toxic Substances Control Act) - Section 8(a) - Chemical-Specific Reporting and Recordkeeping</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>PAIR: 01/26/1994</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>01/26/1994</td>
</tr>
</tbody>
</table>

International Regulations

Mexico - Grade
Serious risk, Grade 3

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m³墨西哥：TWA 200 ppm 墨西哥：TWA 1050 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m³墨西哥：STEL 250 ppm 墨西哥：STEL 1300 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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
Disclaimer

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Prepared By

FMC Corporation

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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: 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>111-84-2</td>
<td>&gt;95</td>
</tr>
<tr>
<td>Butyric acid</td>
<td>107-92-6</td>
<td>&lt;0.1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Flammable properties</th>
<th>Flammable liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point Method</td>
<td>31 °C / 87.8 °F</td>
</tr>
</tbody>
</table>

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 (CO₂).

Advice for fire-fighters

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.
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

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<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane 111-84-2</td>
<td>TWA: 200 ppm</td>
<td>TWA: 200 ppm TWA: 1050 mg/m³</td>
<td>Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>British Columbia</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
<th>Alberta</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane 111-84-2</td>
<td>TWA: 200 ppm</td>
<td>TWA: 200 ppm TWA: 1050 mg/m³</td>
<td>TWA: 200 ppm</td>
<td>TWA: 200 ppm TWA: 1050 mg/m³</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear, colorless liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Gasoline-like</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No information availableE</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>not applicable</td>
</tr>
</tbody>
</table>
Verifl™ Lure 2

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/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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>NIOSH - Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>eyes, CNS, respiratory system, skin</td>
</tr>
</tbody>
</table>

12. Ecological information

Ecotoxicity
Ecotoxicity effects No information available.
Environmental Fate

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butyric acid</td>
<td>46.7 mg/L EC50 72 h (Desmodesmus subspicatus)</td>
<td>EC50 = 16.9 mg/L 5 min EC50 = 17.2 mg/L 15 min EC50 = 10.1 mg/L 15 min</td>
<td>EC50 = 61.7 mg/L 24 h</td>
<td></td>
</tr>
</tbody>
</table>

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

Each lure contains 1.2 mL Nonanes solution.

DOT

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.

Proper shipping name
Nonanes solution

Hazard Class
3

UN/ID No
UN1920

Packing group
III

TDG

Proper shipping name
Nonanes solution

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
Consumer Commodity

Hazard Class
3

Packing group
III

Limited quantity
10 L

IMDG/IMO

Proper shipping name
Nonanes Solution

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butyric acid</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Extremely Hazardous Substances RQs

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>n-Nonane</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - TSCA (Toxic Substances Control Act) - Section 8(a) - Chemical-Specific Reporting and Recordkeeping</td>
<td>40 CFR 799.5115</td>
</tr>
<tr>
<td>U.S. - TSCA (Toxic Substances Control Act) - Section 8(d) - 716.120(a) - Health and Safety Reporting - List of Substances</td>
<td>01/26/1994</td>
</tr>
<tr>
<td>Mexico - Grade</td>
<td>Serious risk, Grade 3</td>
</tr>
</tbody>
</table>

Chemical Name

<table>
<thead>
<tr>
<th>Carcinogen Status</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nonane</td>
<td>Mexico: TWA 200 ppm Mexico: TWA 1050 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Mexico: STEL 250 ppm Mexico: STEL 1300 mg/m³</td>
</tr>
</tbody>
</table>

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