

Material Safety Data Sheet

Verifi™ Bed Bug Detector

SDS # : 6936-A
Revision Date: 2011-09-23
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.

Product name	Verifi™ Bed Bug Detector
Formula	This product consists of five separate components. Below an MSDS is provided for each of the components.
<u>Manufacturer</u>	<u>Emergency telephone number</u>
FMC Corporation Agricultural Products Group 1735 Market Street Philadelphia, PA 19103 General Information: Phone: (215) 299-6000 E-Mail: msdsinfo@fmc.com	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:	2011-09-23
Reason for revision:	New Product

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Prepared By

FMC Corporation

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End of Material Safety Data Sheet

Material Safety Data Sheet

Magnesium Chloride

SDS # : 006930-A
Revision Date: 2011-09-09
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

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

Chemical Name	CAS-No	Weight %
Magnesium Chloride	7786-30-3	100

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.

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

<u>Exposure guidelines</u>	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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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.
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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.
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Respiratory protection	Avoid breathing vapor or mist.
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Skin and body protection	Follow use directions. Avoid contact with skin and clothing.
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Hand protection	Protective gloves
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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.
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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 applicableE
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

SDS # : 006930-A
Revision Date: 2011-09-09
Version 1

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-Peroxy-carboxylic 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

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

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.

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

Disclaimer

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Material Safety Data Sheet

Sodium Bicarbonate

SDS # : 005574-A
Revision Date: 2011-09-14
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

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

Chemical Name	CAS-No	Weight %
Sodium Bicarbonate	144-55-8	99-100

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.

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

SDS # : 005574-A
Revision Date: 2011-09-14
Version 1

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, Moisture
Materials to avoid Acids, Monoammonium phosphate or a sodium-potassium alloy
Hazardous decomposition products Carbon oxides
Hazardous polymerization Hazardous polymerization does not occur

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

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

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.

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: 2011-09-14
Reason for revision: New Product

Sodium Bicarbonate

SDS # : 005574-A

Revision Date: 2011-09-14

Version 1

Disclaimer

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Material Safety Data Sheet

Verifi™ CO2 Booster 1

SDS # : 006937-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

Product name Verifi™ CO2 Booster 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 powder

Physical State Solid

Odor odorless

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

Potential health effects

Acute effects

- Eyes** Severely irritating to 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

Chemical Name	CAS-No	Weight %
Citric acid	77-92-9	95-100
Silica gel	63231-67-4	1-5
Amorphous silica gel	7631-86-9	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 Powdered material may form explosive dust-air mixtures.

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	1
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	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 This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico
Amorphous silica gel 7631-86-9			IDLH: 3000 mg/m ³ TWA: 6 mg/m ³	

Chemical Name	British Columbia	Quebec	Ontario TWAEV	Alberta
Silica gel 63231-67-4		TWA: 6 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

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	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	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	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 to eyes.
Skin contact	Substance may cause slight 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.

Chemical Name	ACGIH	IARC	NTP	OSHA	NIOSH - Target Organs
Amorphous silica gel					eyes, respiratory system

12. Ecological information

Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Citric acid		LC50 1516 mg/L <i>Lepomis macrochirus</i> 96 h		EC50 120 mg/L 72 h
Amorphous silica gel	440 mg/L EC50 72 h (<i>Pseudokirchneriella subcapitata</i>)	LC50 5000 mg/L <i>Brachydanio rerio</i> 96 h		EC50 7600 mg/L 48 h

Environmental Fate

Chemical Name	log Pow
Citric acid	-1.72

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

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	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: 2011-09-20
Reason for revision: New Product

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Prepared By

FMC Corporation

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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

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 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 (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.

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 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

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/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 1.2 mL Nonanes solution.
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)

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

Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION PROVIDED HEREIN.** The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Further, since the conditions and methods of use are beyond the control of FMC Corporation, FMC corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

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FMC Corporation

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Material Safety Data Sheet

Verifi™ Lure 2

SDS #: 6945-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

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 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 (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.

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 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

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/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	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.

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

Disclaimer

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