

GRAND VALLEY DISTRIBUTOR'S
SAFETY DATA SHEET
GET A GRIP

Date Prepared: 8/17/16

I. Product Identity

PRODUCT NAME: Master Melt

MFR INFO: Grand Valley Distributes
a division of Groenink's Elevator and Hardware
11260 Michigan Ave.
Nunica, MI 49448
Phone: 1-800-682-3142
FOR EMERGENCY: (800) 424-9300 (CHEMTREC)
FOR INFORMATION: (616) 837-7391

CURRENT AS OF: 8/17/16

II. Ingredient List

Magnesium Chloride
Sodium Chloride
Signal

III. Ingredient: Magnesium Chloride

Section 1: Identification

Product Identifier : **Magnesium Chloride Hexahydrate**
Other Means of Identification : 7791-18-6
Freez Gard® Magnesium Chloride
Safe Step® Extreme 8300™ Magnesium Chloride
Safe Step® Pro Series® 750 Magnesium Chloride
Sifto® Safe Step® Nature's Power™ Magnesium Chloride
Safe Step® Sure Paws™
Sifto Safe Step® Sure Paws™
Recommended Use : Dust suppression, deicing, aqua-culture, general industrial, and specialty uses.
Recommended Restrictions : None known
Manufacturer : Grand Valley Distributors, a division of Groenink's Elevator and Hardware, Inc.
11260 Michigan Ave
Nunica, MI 49448
Phone: 1-800-682-3142
Emergency US CHEMTREC: 1-800-424-9300
CHEMTREC : 1-800-424-9300

Section 2: Hazard Identification

Physical Hazards : Not classified
Health Hazards : Not classified
Environmental Hazards : Not classified
OSHA Defined Hazards : Not classified
Label Elements
Hazard Symbol : None
Signal Word : None
Hazard Statement : The substance does not meet the criteria for classification.
Precautionary Statement
Prevention : Observe good industrial hygiene practices.
Response : Wash hands after handling.
Storage : Store away from incompatible materials.
Disposal : Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not Otherwise Classified (HNOC) : None known
Supplemental Information : Not applicable

Section 3: Composition and Information on Ingredients

Substance

Composition Comments : The criteria for listing components in this section are: Carcinogens, Respiratory Sensitizers, Mutagens, Teratogens, and Reproductive toxins that are listed when present at 0.1% or greater; components which are otherwise hazardous according to WHMIS/OSHA are listed when present at 1.0% or greater. Non-hazardous components are not listed. The products pertaining to this SDS have various proportions of components which do not meet the listing criteria.

Section 4: First Aid Measures

Inhalation : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Skin Contact : Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye Contact : Rinse with water. Get medical attention if irritation develops and persists.
Ingestion : Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Most Important Symptoms/Effects, Acute and Delayed : Direct contact with eyes may cause temporary irritation.
Indication of Immediate Medical Attention and Special Treatment Needed : Treat symptomatically.
General Information : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Treat for surrounding material.
Unsuitable Extinguishing Media : None known.
Specific Hazards Arising from the Chemical : During fire, gases hazardous to health may be formed.
Special Protective Equipment and Precautions for Firefighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-Fighting Equipment/Instructions : Use standard firefighting procedures and consider the hazards of other involved materials.
Specific Methods : Cool containers exposed to flames with water until well after the fire is out.
General Fire Hazards : No unusual fire or explosion hazards noted.
Hazardous Combustion Products : May include and are not limited to: Hydrogen chloride. Chlorine gas. Oxides of magnesium.
Explosion data
Sensitivity to Mechanical Impact : Not available
Sensitivity to Static Discharge : Not available

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures : Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and Materials for Containment and Cleaning Up : This product is miscible in water. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental Precautions : Avoid discharge into drains, water courses or onto the ground.

Section 7: Handling and Storage

Precautions for Safe Handling: Use care in handling/storage. Avoid breathing dust.
Conditions for Safe Storage, Including Any Incompatibilities : Keep container tightly closed in a cool, dry and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section 8: Exposure Controls and Personal Protection

Occupational Exposure Limits : No exposure limits noted for ingredient(s).
Biological Limit Values : No biological exposure limits noted for the ingredient(s).
Appropriate Engineering Controls
TWA PEL : No specific limits have been established for magnesium chloride (a soluble substance). As a

guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL. No specific limits have been established for magnesium chloride (a soluble substance). As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual Protection Measures, Such as Personal

Protective Equipment : Eye/face protection Safety glasses
 Skin Protection : Hand protection Rubber gloves. Confirm with a reputable supplier first. Other As required by employer code.
 Respiratory Protection : Where exposure guideline levels may be exceeded, use an approved NIOSH respirator or NIOSH-approved filtering facepiece.
 Thermal Hazards : Not applicable.

General Hygiene

Considerations : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9: Physical and Chemical Properties

Appearance : Crystalline.
 Physical State : Solid.
 Form : Crystalline.
 Color : White
 Odor : Odorless
 Odor Threshold : Not available.
 PH : 9 - 10 (Basic)
 Melting Point/Freezing Point: Not available.
 Initial Boiling Point and Boiling Range : Not applicable
 Pour Point : Not available.
 Specific Gravity : 1.57 (H₂O = 1)
 Partition Coefficient (n-octanol/water) : Not available.
 Flash Point : Not available.
 Evaporation Rate : Not available.
 Flammability (solid, gas) : Not applicable.
 Upper/Lower Flammability or Explosive Limits
 Flammability Limit – Lower (%): Not available.
 Flammability Limit – Upper (%): Not available.
 Explosive Limit - Lower (%): Not available.
 Explosive Limit - Upper (%): Not available.
 Vapor Pressure : 0.09 kPa (0.7 mmHg) @ 68°C < 0 kPa at 25 °C
 Vapor Density : Not available.
 Relative Density : Not available.
 Solubility: Soluble
 Auto-Ignition Temperature : Not available.
 Decomposition Temperature : Not available.
 Viscosity : Not available.

Section 10: Stability and Reactivity

Reactivity : Reactive with oxidizing agents, acids, metals in presence of moisture.
 Possibility of Hazardous Reactions : No dangerous reaction known under conditions of normal use.
 Chemical Stability : Material is stable under normal conditions.
 Conditions to Avoid : Contact with incompatible materials.
 Incompatible Materials : Acids, Strong oxidizing agents, Metals.
 Hazardous Decomposition Products : May include and are not limited to: Hydrogen chloride. Chlorine gas. Oxides of magnesium.

Section 11: Toxicological Information

Information on Likely Routes of Exposure

Ingestion	:	Expected to be a low ingestion hazard.
Inhalation	:	No adverse effects due to inhalation are expected.
Skin Contact	:	No adverse effects due to skin contact are expected.
Eye Contact	:	Direct contact with eyes may cause temporary irritation.
Symptoms Related to the Physical, Chemical, and Toxicological Characteristics:		Direct contact with eyes may cause temporary irritation.
Information on Toxicological Effects		
Acute Toxicity	:	Not classified.
Skin Corrosion/Irritation	:	Prolonged skin contact may cause temporary irritation.
Exposure Minutes	:	Not available.
Erythema Value	:	Not available.
Oedema Value	:	Not available.
Serious Eye Damage and Eye Irritation	:	Direct contact with eyes may cause temporary irritation.
Corneal Opacity Value	:	Not available.
Iris Lesion Value	:	Not available.
Conjunctival Reddening Value	:	Not available.
Conjunctival Oedema Value	:	Not available.
Recover Days	:	Not available.
Respiratory or Skin Sensitization		
Respiratory Sensitization	:	Not classified.
Skin Sensitization	:	This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity	:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Mutagenicity	:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity	:	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	:	Not classified.
Specific Target Organ Toxicity - Single Exposure	:	Not classified.
Specific Target Organ Toxicity - Repeated Exposure:		Not classified.
Aspiration Hazard	:	Not classified.
Chronic Effects	:	Not classified.
Further Information	:	This product has no known adverse effect on human health.
Name of Toxicologically Synergistic Products	:	Not available.

Section 12: Ecological Information

Ecotoxicity : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

<u>Product</u>	<u>Species</u>	<u>Test Results</u>
Magnesium Chloride Hexahydrate		
Aquatic		
Crustacea	EC50	Calanoid copepod (Eudiaptomus padanus padanus) 95 - 342 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) 1580 - 2740 mg/l, 96 hours

Persistence and Degradability : No data is available on the degradability of this product.

Bioaccumulative Potential : No data available.

Mobility in Soil : No data available.

Mobility in General : Not available.

Other Adverse Effects : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal Considerations

Disposal Instructions : Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local Disposal Regulations : Dispose in accordance with all applicable regulations.

Hazardous Waste Code : The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from Residues/ Unused Products : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated Packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14: Transport Information

U.S. Department of Transportation (DOT)
 Not regulated as dangerous goods.
 Transportation of Dangerous Goods (TDG - Canada)
 Not regulated as dangerous goods.

Section 15: Regulatory Information

Canadian Federal

Regulations : This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS Status : Not Controlled

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
 Not regulated.
 CERCLA Hazardous Substance List (40 CFR 302.4)
 Not listed.
 Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
 Not regulated.
 Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
 Not regulated.
 Superfund Amendments and Reauthorization Act of 1986 (SARA)
 Hazard Categories
 Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No
 SARA 302 Extremely Hazardous Substance - No
 SARA 311/312 Hazardous Chemical - No
 SARA 313 (TRI reporting) - Not regulated.

Other Federal Regulations

Safe Drinking Water Act (SDWA)
 Not regulated.
 Food and Drug Administration (FDA)
 Total food additive
 Direct food additive
 GRAS food additive

US State Regulations : California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
 Not listed.

US. Massachusetts RTK - Substance List
 Not regulated.

US. Pennsylvania RTK - Hazardous Substances
 Not regulated.

US. Rhode Island RTK
 Not regulated.

Inventory Status

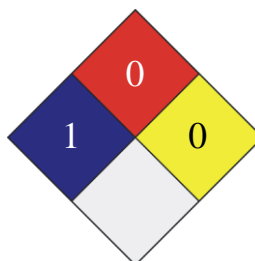
Country(s) or Region	Inventory Name	On Inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16: Other Information

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

Legend	
Severe	4
Serious	3
Moderate	2
Slight	1



Disclaimer	:	The directions of use for this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Groenink's Elevator and Hardware, Inc. or the Seller. All such risks shall be assumed by the Buyer. Groenink's Elevator and Hardware, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in its Direction for Use subject to the inherent risks referred to above. Groenink's Elevator and Hardware, Inc USA makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Groenink's Elevator and Hardware, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Groenink's Elevator and Hardware, Inc. and the Seller offer this product, and the Buyer and user except it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Groenink's Elevator and Hardware, Inc.
Issue Date	:	August 17, 2016
Effective Date	:	August 17, 2016
Expiry Date	:	Reoccurring
Further Information	:	For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.
Prepared By	:	Grand Valley Distributors, a division of Groenink's Elevator and Hardware Phone: 1-800-682-3142
Other Information	:	This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.

IV. Ingredient: Sodium Chloride

Section 1: Identification

Product Identifier	:	Salt
Other Means of Identification	:	Sodium Chloride, Sifto Safe Step Standard Salt, Sifto Ice Salt, Sifto Sodium Chloride, Sifto Safe, Step EnviroGuard, QwikSalt, Ice-A-Way, IceAway Turbo, IceAway Turbo Blue, Safe Step 3300, Aspen, Aspen Blue, Safe Step 4300 Dual Blend, Safe Step 4300 Dual Blend Blue, EconoBlend 370, Winter Storm, Winter Storm Blue, Safe Step Pro Series 550, Safe Step Pro, Series 570, Safe Step 6300 Enviro Blend, Safe Step Pro Series 960 Choice Formula, Safe Step Sure Paws, Sifto Safe Step Sure Paws, American Stockman Animal Nutrition Products, Nature's Own water care products, Sure Soft water care products, Natural Salt water care, Pro Soft water care products
Recommended Use	:	De-icer. General industrial and water softening/conditioning purposes. Animal Nutrition.
Recommended Restrictions	:	None known.
Manufacturer	:	Grand Valley Distributors, a division of Groenink's Elevator and Hardware, Inc. 11260 Michigan Ave Nunica, MI 49448 Phone: 1-800-682-3142 Emergency US CHEMTREC: 1-800-424-9300
CHEMTREC	:	1-800-424-9300

Section 2: Hazard Identification

Physical Hazards	:	Not classified.
Health Hazards	:	Not classified.
Environmental Hazards	:	Not classified.
OSHA Defined Hazards	:	Not classified.
Label Elements	:	
Hazard Symbol	:	None.
Signal Word	:	None.
Hazard Statement	:	The product and/or mixture does not meet the criteria for classification.
Precautionary Statement	:	
Prevention	:	Observe good industrial hygiene practices.
Response	:	Wash hands after handling.
Storage	:	Store away from incompatible materials, i.e, strong oxidizing agents (see Section 10)
Disposal	:	Dispose of waste and residues in accordance with local authority requirements.
Hazard(s) not Otherwise Classified (HNOC)	:	None known.

Supplemental Information : Not applicable.

Section 3: Composition and Information on Ingredients

Salt and/or Salt Mixtures

Composition Comments : The criteria for listing components in this section are: Carcinogens, Respiratory Sensitizers, Mutagens, Teratogens and Reproductive toxins are listed when present at 0.1% or greater; components which are otherwise hazardous according to WHMIS/OSHA are listed when present at 1.0% or greater. Non hazardous components are not listed. The products pertaining to this SDS have various proportions of components which do not meet the listing criteria.

Section 4: First Aid Measures

Inhalation : Avoid breathing dust. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin Contact : Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Eye Contact : Rinse with water. Get medical attention if irritation develops and persists.

Ingestion : Rinse mouth. If ingestion of a large amount does occur, seek medical attention.

Most Important

Symptoms/Effects,

Acute and Delayed : Direct contact with eyes may cause temporary irritation.

Indication of Immediate

Medical Attention and Special

Treatment Needed : Treat symptomatically.

Section 5: Fire-Fighting Measures

Suitable

Extinguishing Media : Salt and salt mixtures are non-combustible.

Unsuitable

Extinguishing Media : Not applicable.

Specific Hazards Arising from
the Chemical :

During fire, gases hazardous to health may be formed.

Special Protective Equipment
and Precautions

for Firefighters : Use appropriate firefighting PPE as a general precaution.

Fire-fighting

Equipment/Instructions : Salt is not combustible and is thus not the material of concern for firefighting equipment or methods.

Specific Methods : In the event of a fire, equipment and methods that are consistent with the combusting material should be utilized.

General Fire Hazards : No unusual fire or explosion hazards noted.

Hazardous Combustion

Products : Chlorine. Hydrogen chloride. Oxides of sodium.

Explosion Data

Sensitivity to

Mechanical Impact :

Not available.

Sensitivity to Static

Discharge : Not available.

Section 6: Accidental Release Measures

Personal Precautions,

Protective Equipment and

Emergency Procedures : Restrict area to facilitate clean up.

Methods and Materials for

Containment and

Cleaning up : Stop the flow of material, if this is without risk. Prevent direct entry into waterways and sewers. Following product recovery, flush area with water if necessary. For waste disposal, see section 13 of the SDS.

Environmental Precautions : Avoid direct release into waterways and sewers.

Section 7: Handling and Storage

Precautions for Safe Handling: Use care in handling/storage. Avoid breathing dust.

Conditions for Safe

Storage, Including

Any Incompatibilities : Store in original tightly closed container. Store away from incompatible materials, i.e, strong oxidizing agents (see Section 10)

Section 8: Exposure Controls and Personal Protection

Occupational

Exposure Limits : No exposure limits noted for ingredient(s).

Biological Limit Values : No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

TWA PEL : No specific limits have been established for sodium chloride (a soluble substance). As

		a guideline, OSHA (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates Not Otherwise Regulated (PNOR): 5mg/cu.m. Respirable Dust 8-Hour TWA PEL, 15mg/cu.m. Total Dust 8-Hour TWA PEL.
TWA TLV	:	No specific limits have been established for sodium chloride (a soluble substance). As a guideline, ACGIH (United States) has established the following limits which are generally recognized for inert or nuisance dust. Particulates (insolubles) Not Otherwise Classified (PNOC): 10mg/cu.m. Inhalable Particulate 8-Hours TWA TLV, 3mg/cu.m. Respirable Particulate TWA TLV.
		Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Individual protection measures, such as personal protective equipment		
Eye/face Protection	:	Safety glasses if eye contact is possible.
Skin Protection		
Hand Protection	:	If there is constant skin contact, rubber gloves are recommended.
Other	:	Wear suitable protective clothing.
Respiratory Protection	:	No personal respiratory protective equipment normally required.
Thermal Hazards	:	Not applicable.
General Hygiene		
Considerations	:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment.

Section 9: Physical and Chemical Properties

Appearance	:	Crystalline.
Physical State	:	Solid.
Form	:	Solid.
Color	:	Varies
Odor	:	Odorless
Odor Threshold	:	Not applicable
pH	:	6 - 8 (Neutral)
Melting Point/Freezing Point:		Not applicable
Initial Boiling Point and Boiling Range	:	Not applicable
Pour Point	:	Not applicable
Specific Gravity	:	Not applicable
Partition Coefficient (n-octanol/water)	:	Not applicable
Flash Point	:	Not applicable
Evaporation Rate	:	Not applicable
Flammability (solid, gas)	:	Not applicable.
Upper/Lower Flammability or Explosive Limits		
Flammability limit – lower (%)		Not applicable
Flammability limit – upper (%)		Not applicable
Explosive limit - lower (%)		Not applicable
Explosive limit - upper (%)		Not applicable
Vapor Pressure	:	Not applicable
Vapor Density	:	Not applicable
Relative Density	:	Not applicable
Solubility(ies)	:	Not available.
Auto-Ignition Temperature	:	Not applicable
Decomposition Temperature	:	Not applicable
Viscosity	:	Not applicable

Section 10: Stability and Reactivity

Reactivity	:	None known.
Possibility of Hazardous Reactions	:	No dangerous reaction known under conditions of normal use.
Chemical Stability	:	Material is stable under normal conditions.
Conditions to Avoid	:	Contact with incompatible materials, i.e strong oxidizing agents.
Incompatible Materials	:	Strong oxidizing agents.
Hazardous Decomposition Products	:	Chlorine gas. Hydrogen chloride. Oxides of sodium.

Section 11: Toxicological Information

Information on likely routes of exposure

Ingestion	:	Expected to be a low ingestion hazard.
Inhalation	:	No adverse effects due to inhalation are expected.
Skin Contact	:	No adverse effects due to skin contact are expected.
Eye Contact	:	Direct contact with eyes may cause temporary irritation.

Symptoms Related to the Physical, Chemical and

Toxicological Characteristics :	Direct contact with eyes may cause temporary irritation.
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Information on Toxicological Effects

Acute Toxicity	:	Not classified.
Skin Corrosion/Irritation	:	Prolonged skin contact may cause temporary irritation.
Exposure Minutes	:	Not available.
Erythema Value	:	Not available.
Oedema Value	:	Not available.
Serious Eye	:	
Damage/Eye Irritation	:	Direct contact with eyes may cause temporary irritation.
Corneal Opacity Value	:	Not available.
Iris Lesion Value	:	Not available.
Conjunctival	:	
Reddening Value	:	Not available.
Conjunctival Oedema Value	:	Not available.
Recover Days	:	Not available.
Respiratory or Skin Sensitization	:	
Respiratory Sensitization	:	Not available.
Skin Sensitization	:	This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity	:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Mutagenicity	:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive Toxicity	:	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	:	Not classified.

Specific target organ toxicity – single exposure

Not classified.

Specific target organ toxicity – repeated exposure

Not classified.

Aspiration Hazard	:	Not classified.
Chronic Effects	:	Not classified.
Further Information	:	This product has no known adverse effect on human health.

Name of Toxicological

Synergistic Products	:	Not available.
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Section 12: Ecological Information

Ecotoxicity	:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative Potential	:	No data available.
Mobility in Soil	:	No data available.
Mobility in General	:	Not available.
Other Adverse Effects	:	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13: Disposal Considerations

Disposal Instructions	:	Collect and reclaim or dispose in sealed containers in accordance with applicable regulations.
Local Disposal Regulations	:	Dispose in accordance with all applicable regulations.
Hazardous Waste Code	:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from Residues/

Unused Products	:	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
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Contaminated Packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.
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Section 14: Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

Section 15: Regulatory Information

Canadian Federal Regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS Status : Not Controlled

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

SARA 302 Extremely Hazardous Substance - No

SARA 311/312 Hazardous Chemical - No

SARA 313 (TRI reporting)

Not regulated.

Other Federal Regulations

Safe Drinking Water Act (SDWA)

Not regulated.

Food and Drug Administration (FDA)

Not regulated.

US State Regulations

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

US. Massachusetts RTK - Substance List

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

US. Rhode Island RTK

Not regulated.

Inventory Status

Country(s) or region Inventory name On inventory (yes/no)*

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

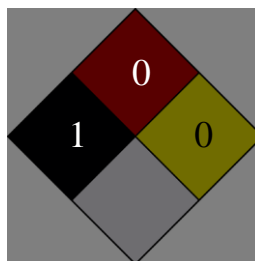
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Section 16: Other Information

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		E

Legend	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0



Disclaimer

:

The directions of use for this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are

beyond the control of Groenink's Elevator and Hardware, Inc. or the Seller. All such risks shall be assumed by the Buyer. Groenink's Elevator and Hardware, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in its Direction for Use subject to the inherent risks referred to above. **Groenink's Elevator and Hardware, Inc USA makes no other express or implied Warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Groenink's Elevator and Hardware, Inc. or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product.** Groenink's Elevator and Hardware, Inc. and the Seller offer this product, and the Buyer and user except it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Groenink's Elevator and Hardware, Inc.

Issue Date : August 17, 2016
Effective Date : August 17, 2016
Expiry Date : Reoccurring
Further Information : For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.
Prepared By : Grand Valley Distributors, a division of Groenink's Elevator and Hardware
Phone: 1-800-682-3142
Other Information : This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.

V. Ingredient: Signal

Section 1: Identification

Product Name : **Signal**
Manufacturer : Grand Valley Distributors, a division of Groenink's Elevator and Hardware, Inc.
11260 Michigan Ave
Nunica, MI 49448
Phone: 1-800-682-3142
Emergency US CHEMTREC: 1-800-424-9300
CHEMTREC : 1-800-424-9300

Section 2: Hazard Identification

GHS Classification : None
Signal Word : None
Hazard Statements : None

Precautionary Statements

Prevention

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P262 - Do not get in eyes, on skin, or on clothing.

P264: Wash protective equipment and work clothes thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P281 - Use personal protective equipment as required.

Disposal

P501 - Dispose of contents/ container to an approved waste disposal plant.

Section 3: Composition and Information on Ingredients

Component	CAS Number	Weight %
Mixture	Proprietary	100%

Section 4: First Aid Measures

IF SWALLOWED : Rinse mouth. Have person sip a glass of water if able to swallow. Do NOT induce vomiting, unless told to by a poison control center or doctor. Do not give anything to an unconscious person. Treat symptomatically.

IF ON SKIN : Wash affected area with plenty of soap and water. Use tepid water if available. If skin irritation occurs: Get medical advice or attention.

IF INHALED : Move person to fresh air. If person is having difficulty breathing, give oxygen. If not breathing, give artificial respiration.

IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

Medical Conditions Aggravated

by Overexposure : Repeated or prolonged exposure is not known to aggravate medical condition.

Other Effects : This product is not a carcinogen by NTP, OSHA and ACGIH.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Water spray, foam, CO₂, or dry chemicals may be used in areas where this product is stored.
Specific Hazards : None
PPE and Precautions : Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

In Case of Spill : Evacuate the spill area, except for cleanup personnel. Wear NIOSH/MSHA-approved respirator and protective equipment as referenced in Section 8 below. Control spill with adsorbent pads or booms. If necessary, apply granular or loose adsorbent to spill. When absorbed, sweep or otherwise collect and dispose of properly.
Disposal : Dispose of collected waste in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Keep away from heat, sparks and flame. Keep container closed. Safety goggles with full-face shield and eyewash recommended. USDA-accepted Nitrile (CFR-20) or Neoprene Rubber (CFR-21) recommended. Wear appropriate clothing to prevent repeated or prolonged skin contact. Use only with adequate mechanical exhaust ventilation. To avoid fire minimize ignition sources. Product should be stored in a dry place with temperatures above 30° F. Partially used containers should be resealed between uses for maximum storage stability.

Section 8: Exposure Controls and Personal Protection

Component Exposure Limits : N/D
Eye/Face Protections : Wear protective eyewear. Contact lenses should not be worn when working with chemicals.
Skin Protection : Wear long-sleeved shirt, long pants, socks and shoes to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.
Respiratory Protection : Not required under normal use conditions with good ventilation. Protect against spray mists.
General Protection : Avoid contact with skin, eyes and clothing. Avoid breathing vapors. Wash thoroughly after handling product.
Note : When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed. Eye wash fountains and drench showers should be located within a 10 second walk from the work area per ANSI Z358.1-2009.

Section 9: Physical and Chemical Properties

Appearance : Deep blue liquid
Odor : No odor
Odor Threshold : N/D
pH : 4.2±0.5
Melting Point : N/D
Freezing Point : N/D
Boiling Point : 212oF
Flash Point : N/D
Evaporation Rate : N/D
Flammability : N/D
UEL : N/D
LEL : N/D
Vapor Pressure : N/D
Vapor Density : N/D
Relative Density : 8.75 lbs/gallon
Solubility : Dispersible in water
Partition Coefficient : N/D
Autoignition Temperature : N/D
Decomposition Temperature : N/D
Viscosity : Similar to water

Section 10: Stability and Reactivity

Stability : Stable
Possibility of Hazardous Reactions : Hazardous polymerization will not occur.
Condition to Avoid : Extremes of temperature and direct sunlight.
Incompatible Materials : Strong oxidizing agents.
Hazardous Decomposition Products : Burning will produce oxides of carbon and nitrogen, and hydrogen chloride.

Section 11: Toxicological Information

No toxicological data is available for this product.

Section 12: Ecological Information

No ecological data is available for this product.

Section 13: Disposal Considerations

Component Waste Numbers : No EPA Waste Numbers are applicable for this product's components.
Disposal Instructions : Recycle or rework material if at all possible. Incinerate material at an approved facility. Treat at

an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval waste samples in compliance with applicable federal, state and local environmental regulations.

Container Reuse : An empty container can contain product residue, and should not be reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse. Dispose of container to disposal plant in accordance with federal, state and local regulations.

Section 14: Transport Information

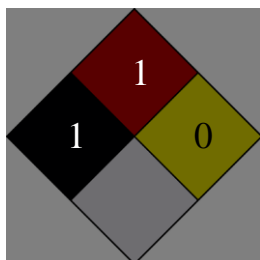
DOT Status
(Highway and rail) : Not Regulated
IATA Status (Air) : Not Regulated
Marine Pollutant : No

Section 15: Regulatory Information

TSCA : All components of this product are listed under the regulation of the Toxic Substance Control Act.
SARA HAZARD : No

Section 16: Other Information

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		H



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