

SDS No.: NN1490

SAFETY DATA SHEET

GENERAL STORAGE CODE GREEN

Section 1 Chemical Product and Company Information



**Aldon
Corporation**

221 Rochester Street
Avon, NY 14414
(585) 226-6177

**CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300**
For laboratory use only.
Not for drug, food or household use.

Product MOUNTING MEDIA

Synonyms Corn Syrup / Glucose Syrup

Section 2 Hazards Identification

This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

Signal word: None required
Pictograms: No symbol required
Target organs: None known

GHS Classification: None required
GHS Label information: Hazard statement: None required
Precautionary statement: None required

Supplemental information:

Low hazard. Do not breathe mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Get medical attention if you feel unwell.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Glucose syrup	None assigned	100%	None assigned

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: There are no unusual fire and explosion hazards associated with this solution.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

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Product	DIATOMACEOUS EARTH
Synonyms	Diatomite

Section 2 Hazards Identification

Signal word: WARNING
Pictograms: GHS07 / GHS08
Target organs: Lungs, Eyes.



GHS Classification:
STOT-SE (Category 3)
STOT-RE (Category 2)

GHS Label information: Hazard statement(s):
H335: May cause respiratory irritation.
H373: May cause damage to organs (*lungs*) through prolonged or repeated exposure (*inhalation*).

Precautionary statement(s):
P260: Do not breathe dust.
P271: Use only outdoors or in a well-ventilated area.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P314: Get medical advice/attention if you feel unwell
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up
P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with all local, state and federal regulations.

Ca Prop 65 - WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Diatomaceous earth, flux calcined	68855-54-9	100%	272-489-0
This product may contain up to 54% crystalline silica:			
Cristobalite	14464-46-1	<50%	238-455-4
Quartz	14808-60-7	<4%	238-878-4

Section 4 First Aid Measures

INGESTION: Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY CAUSE IRRITATION AND SORENESS IN THROAT AND NOSE. IN EXTREME EXPOSURES SOME CONGESTION MAY OCCUR. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: TEMPORARY IRRITATION OR INFLAMMATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Use any media suitable for extinguishing supporting fire

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Minimize dust generation and accumulation. Use a dust suppressant such as water. Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 1 Chemical Product and Company Information

Page E1 of E2



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Product METHYLENE BLUE SOLUTION (LOEFFLER'S)

Synonyms Loeffler's Methylene Blue Stain

Section 2 Hazards Identification

Signal word: DANGER

Pictograms: GHS02 / GHS07 / GHS08 / GHS06

Target organs: Eyes, Central nervous system, Liver, Kidneys.



GHS Classification:

Flammable liquid (Category 2)

Acute toxicity, inhalation (Category 3)

Skin irritation (Category 2)

Eye irritation (Category 2B)

STOT-SE (Category 2)

STOT-SE (Category 3)

GHS Label information: Hazard statement:

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H336: May cause drowsiness or dizziness.

H371: May cause damage to organs.

Precautionary statement:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P260: Do not breathe mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P312: Call a POISON CENTER or doctor if you feel unwell.

P332+P313: If skin irritation occurs: Get medical attention.

P337+P313: If eye irritation persists: Get medical attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container to a licensed chemical disposal agency in

accordance with local/regional/national regulations.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3 Composition / Information on Ingredients

Chemical Name	CAS #	%	EINECS
Ethyl alcohol, 95% denatured*	64-17-5	99.45%	200-578-6
Methylene blue chloride	61-73-4	0.5%	200-515-2
Potassium hydroxide	1310-58-3	0.04%	215-181-3
Water	7732-18-5	Balance	231-791-2
*Denaturants:			
Isopropyl alcohol	67-63-0	--	200-661-7
Methanol	67-56-1	--	200-659-6
Methyl isobutyl ketone	108-10-1	--	203-550-1

Section 4 First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors formed from this product are heavier than air and may travel along the ground to a distant source of ignition and flash back instantly. Flame may not be visible in daylight.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

(2012 EMERGENCY RESPONSE GUIDEBOOK, (PHH50-ERG2012), GUIDE # 127)

Section 7

Handling & Storage

Page E2 of E2

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources. Protect from light.

Section 8

Exposure Controls / Personal Protection

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Ethanol	STEL: 1000 ppm / 1880 mg/m ³ (A3)	TWA: 1000 ppm / 1900 mg/m ³	TWA: 1000 ppm / 1900 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9

Physical & Chemical Properties

Appearance: Clear, blue liquid.	Evaporation rate (Butyl acetate = 1): Ca 2*	Partition coefficient: (n-octanol / water): Low Pow: -.32*
Odor: Mild characteristic odor.	Flammability (solid/gas): Data not available.	Auto-ignition temperature: 400°C (752°F)*
Odor threshold: Data not available.	Explosion limits: Lower / Upper: 4.0%(V) / 20.0%(V)*	Decomposition temperature: Data not available.
pH: Data not available.	Vapor pressure (mm Hg): Ca 50 @ 20°C*	Viscosity: Data not available.
Melting / Freezing point: -114°C (-173°F)*	Vapor density (Air = 1): Ca 1.5*	Molecular formula: Mixture
Boiling point: 74-80°C (165.2-176°F)*	Relative density (Specific gravity): 0.7919-0.7955°C @ 60/60°F*	Molecular weight: Mixture
Flash point: 5°C (41°F)*	Solubility(ies): Soluble in water.	

*[200 Proof Ethanol]

Section 10

Stability & Reactivity

Chemical stability: Stable
 Hazardous polymerization: Will not occur.
 Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition.
 Incompatible materials: Strong oxidizers, inorganic acids and halogens.
 Hazardous decomposition products: Oxides of carbon.

Section 11

Toxicological Information

Acute toxicity: Oral-rat LD50: 7060 mg/kg ; Inhalation-rat LC50: 124.7 mg/l/4hours [Ethanol]
 Skin corrosion/irritation: Skin-rabbit - Slight irritant.
 Serious eye damage/irritation: Eyes-rabbit - Severe irritant.
 Respiratory or skin sensitization: Data not available
 Germ cell mutagenicity: Data not available
 Carcinogenicity: Data not available
 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
 IARC classified: Group 3: Not classifiable as to its carcinogenicity to humans. [Isopropanol]
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
 Reproductive toxicity: Data not available
 STOT-single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.
 STOT-repeated exposure: Data not available
 Aspiration hazard: Data not available
 Potential health effects:
 Inhalation: Inhalation may cause dizziness, drowsiness, nausea, vomiting, inability to concentrate and irritation of the throat.
 Ingestion: Ingestion causes dizziness, drowsiness, decreased reaction, euphoria, nausea, vomiting, staggering gait and coma.
 Skin: Contact with skin causes irritation defatting on prolonged contact.
 Eyes: Contact with eyes may cause blindness.
 Signs and symptoms of exposure: See Potential health effects above.
 Additional information: RTECS #: KQ630000 [Ethanol]

Section 12

Ecological Information

Toxicity to fish: Oncorhynchus mykiss (fish, fresh water), LC50 = 11,200 mg/l/24 hours [Ethanol]
 Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Crustacea), EC50 = 10,800 mg/l/24 hours [Ethanol, 99.8% pure]
 Toxicity to algae: Chlorella pyrenoidosa (Algae), EC50 = 9,310 mg/l/growth rate [Ethanol, absolute]
 Persistence and degradability: No data available Bioaccumulative potential: No data available
 Mobility in soil: No data available PBT and vPvB assessment: No data available
 Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13

Disposal Considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14

Transport Information

UN/NA number: UN1170 Shipping name: Ethanol solution
 Hazard class: 3 Packing group: II Reportable Quantity: 5,000 lbs (2270 kg) Marine pollutant: No
 Exceptions: Limited quantity equal to or less than 1 L ERG Guide # 127

Section 15

Regulatory Information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERCLA (RQ)	RCRA code	DSL	NDSL	WHMIS Classification
Ethanol	Listed	Not listed	D001	Listed	Not listed	B2; D2B
Methanol	Listed	5,000 lbs.	U154	Listed	Not listed	B2; D1B; D2A; D2B
Isopropanol	Listed	Not listed	Not listed	Listed	Not listed	B2; D2B

Section 16

Additional Information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Revision Date: January 22, 2014

Supersedes: August 30, 2013



SAFETY DATA SHEET

1. Product and Company Identification

Product Identifier	Iodized Salt
Other means of identification Synonyms	Superior Iodized Table Salt Private Label Brand Iodized Table Salt Superior TX-10 Iodized Salt
Recommended Use	Food applications
Recommended Restrictions	None Known
Manufacturer	US Salt LLC 3580 Salt Point Road Watkins Glen, NY 14891 Phone: 607-535-2721
Emergency Telephone Number	CHEMTREC (800) 424-9300

2. Hazard(s) 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 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

3. Composition / Information on Ingredients

Salt and/or Salt Mixtures

Chemical Name	CAS #	%
Sodium Chloride	7647-14-5	99.0-99.7
Sodium Silicoaluminate	1344-00-9	< 0.70
Dextrose	50-99-7	0.02-0.03
Sodium Bicarbonate	144-55-8	0.00-0.01
Potassium Iodide	7681-11-0	0.006-0.010
Sodium Ferrocyanide	13601-19-9	0.00-0.0013

GRAS Substance (Generally Recognized as Safe)

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	Wash skin with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Give one or two glasses of water if person is alert and able to swallow. Get medical attention if symptoms occur.
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

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 used.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Avoid generation and spreading of dust. Avoid inhalation of dust and contact with skin and eyes. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume levels exceeding the exposure limits. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. If sweeping of a contaminated area is necessary, use a dust suppressant agent which does not react with the product. Collect dust using a vacuum cleaner equipped with HEPA filter. Minimize dust generation and accumulation. Avoid release to the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into storm drains or sanitary sewers, groundwater or soil.

7. Handling and Storage

Precautions for safe handling	Use work methods which minimize dust production. Provide appropriate exhaust ventilation at places where dust is formed. Avoid inhalation of dust and contact with skin and eyes. Wash thoroughly after handling. Keep away from strong acids. Practice good housekeeping.
Conditions for safe storage, including any incompatibilities	Store in closed original container in a dry place. Store away from incompatible materials (see section 10 of the SDS). Becomes hygroscopic at 70-75% relative humidity. Avoid humid or wet conditions as product will cake and become hard.

8. Exposure Controls / Personal Protection

Occupational exposure limits No exposures limits noted for ingredient(s).

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Potassium Iodide (CAS 7681-11-0)	TWA	0.01 ppm	Inhalable Form and vapor
Sodium Silicoaluminate (CAS 1344-00-9)	TWA	1 mg/m ³	Respirable Fraction

US. NIOSH Pocket Guide to Chemical Hazards

Components	Type	Value
Sodium Silicoaluminate	TWA	2 mg/m ³

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	Wear safety glasses with side shields. Wear a full-face respirator, if needed.
Skin protection	
Hand protection	If there is constant skin contact, rubber gloves are recommended.
Other	Wear suitable protective clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
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.

9. Physical and Chemical Properties

Appearance	White crystalline solid
Physical State	Solid
Form	Crystalline Solid
Color	White
Odor	Halogen odor
Odor Threshold	Not applicable
pH in aqueous solution	4-9
Melting point/freezing point	1473.8 °F (801 °C)
Initial boiling point and boiling range	2669 °F (1465 °C) (760 mm Hg)
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	2.4 mm Hg (1376.6 °F (747 °C))
Vapor density	Not applicable
Relative density	2.16 (H ₂ O = 1)
Solubility(ies)	
Solubility (water)	26.4%
Partition coefficient (n-octanol/water)	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable
Other information	
Bulk density	53 – 83 lb/ft ³
Molecular formula	NaCl, 14SiO ₂ ·Al ₂ O ₃ ·Na ₂ ·3H ₂ O, NaHCO ₃ , KI, Na ₄ Fe(CN) ₆ ·10H ₂ O
Molecular weight	58.44, 1059.3, 84.0, 166.02, 484.06

10. Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials, i.e. strong oxidizing agents.
Incompatible materials	Strong oxidizing agents, strong acids. Becomes corrosive to metals when wet.
Hazardous decomposition products	Chlorine gas, hydrogen chloride, oxides of sodium.

11. Toxicological Information

Information on likely routes of exposure

Ingestion	Expected to be low ingestion hazard
Inhalation	High concentrations of dust may irritate throat and respiratory system and cause coughing.
Skin contact	Dust may irritate skin. May cause irritation through mechanical abrasion.
Eye contact	Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics
Dust may cause eye, skin and respiratory tract irritation. Exposed individuals may experience eye tearing, redness and discomfort.

Information on toxicological effects

Acute toxicity
In some cases of confirmed hypertension, ingestion may result in elevated blood pressure. Ingestion of large amounts (greater than 0.1 pound) can cause gastrointestinal upset and irritation of the stomach. Rare cases of over exposure can lead to systemic toxicity related to the binding of ionized blood calcium.

Product	Species	Test Results
Sodium Chloride (CAS 7647-14-5)		
Acute		
<i>Oral</i>		
LD50	Mouse	4000 mg/kg
	Rat	3000 mg/kg
<i>Other</i>		
LD50	Mouse	2602 mg/kg
Sodium Silicoaluminate (CAS 1344-00-9)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, 24 hours
<i>Inhalation</i>		
	Rat	> 2.08 mg/l, 4 hours
Dextrose (CAS		
Acute		
<i>Oral</i>		
LD50	Rat	25,800 mg/kg
Potassium Iodide		
Acute		
<i>Oral</i>		
LD50		500-5000 mg/kg
	Mouse	1000 mg/kg
	Rat	4340 mg/kg
<i>Other</i>		
LD50	Mouse	430 mg/kg
	Rat	> 285 mg/kg

Product	Species	Test Results
Sodium Bicarbonate (CAS 144-55-8)		
Acute		
<i>Oral</i>		
LD50	Rat	> 4000 mg/kg
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation	
Serious eye damage/eye irritation	Dust in the eyes will cause irritation	
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	
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.	
Specific target organ toxicity - single exposure	Not classified	
Specific target organ toxicity - repeated exposure	Not classified	
Aspiration Hazard	Due to the physical form of the product, it is not considered an aspiration hazard.	

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.

Components	Species	Test Results
Sodium Chloride (CAS 7647-14-5)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna) 340.7 – 469.2 mg/l, 48 hours
Fish	LC50	Rainbow trout, Donaldson trout (Oncorhynchus mykiss) 4747 – 7824 mg/l, 96 hours
Sodium Aluminosilicate (CAS 1344-00-9)		
Aquatic		
Fish	LC50	Guppy (Poecilia reticulata) 1800 – 3200 mg/l, 96 hours
Potassium Iodide (CAS 7681-11-0)		
Aquatic		
Fish	LC50	Rainbow trout, Donaldson trout (Oncorhynchus mykiss) 896 mg/l, 96 hours
Sodium Bicarbonate (CAS 144-55-8)		
Aquatic		
Crustacea	EC50	Daphnia 2350 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus) 8600 mg/l, 96 hours
Persistence and degradability	No data is available on the degradability of this product	
Bioaccumulative potential	No data available	
Partition coefficient n-octanol/water (log Kow)		
Dextrose (CAS 50-99-7)		-3.24
Mobility in soil	No data available	
Mobility in general	No data available	
Other Adverse effects	None known	

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.

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.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable

15. Regulatory Information

US Federal Regulations All components are on the U.S. EPA TSCA Inventory List
This product is not known to be a "hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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

US state regulations

US Massachusetts RTK – Substance List

Not regulated

US New Jersey Worker and Community Right-to Know Act

Not listed

US Pennsylvania Worker and Community Right-to-Know Law

Sodium Silicoaluminat (CAS 1344-00-9)

US Rhode Island RTK

Not regulated

US California Proposition 65

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.

International Inventories

<u>Country(s) or region</u>	<u>Inventory name</u>	<u>On inventory (Yes/No)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ENCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or are exempt from listing on the inventory administered by the governing country(s)

16. Other Information, including date of preparation or last revision

Issue Date	01-March-2015
Revision Date	-
Version #	01

<u>Legend</u>		<u>HMIS Ratings</u>	
Severe	4	Health	1
Serious	3	Flammability	0
Moderate	2	Physical Hazard	0
Slight	1	Personal protection	A
Minimal	0	<u>NFPA Ratings</u>	
		Health	1
		Flammability	0
		Reactivity	0

Disclaimer

The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the users responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.