

**WRITTEN CONSENT  
OF THE BOARD OF DIRECTORS  
OF  
COMPASS MINERALS AMERICA INC.**

**Effective April 3, 2017**

The undersigned, being the sole member of the board of directors of Compass Minerals America Inc., a Delaware corporation (the "Corporation"), hereby consents in writing pursuant to Section 141(f) of the Delaware General Corporation Law to the adoption of the following resolutions without a meeting and waives any notice required in connection therewith.

**Authorized Signatories**

**WHEREAS**, from time to time, it is desirable for individuals to sign documents on behalf of the Corporation in connection with sales transactions relating to the Corporation's Highway Sales Department.

**NOW, THEREFORE, BE IT RESOLVED**, that the following individuals (the "Authorized Signatories") be, and each of them hereby is, authorized, subject to applicable limitations under the Corporation's Delegation of Authority Policy, on behalf of the Corporation, to sign bids, performance bonds and contracts for the sale of sodium chloride and other deicing products, and to sign any other documents which, in his or her opinion, are necessary or desirable in order to effectuate and carry out the foregoing, and all other individuals who were so authorized prior to the date first written above are no longer so authorized:

Francis J. Malecha	President and CEO
Patrick D. Linehan	Chief Financial Officer
Anthony J. Sepich	Senior Vice President, Salt
Jon Schnieders	Vice President, Sales, Bulk Road Deicing
Patrick Heenan	Director of Rock Salt and Chemical Sales
Sean Lierz	Senior Highway Sales Manager
Lisa Pruitt	Highway Sales Support Manager
Deanna Pinkham	Business Director, Specialty Products
Steve LaLiberte	Sales Manager Minnesota & Wisconsin
Matt Beyers	Highway Sales Manager
Joel Gerdes	Highway Sales Manager
Douglas Dyer	Highway Sales Manager
Cindy Rittel	Sales Manager
Scott Salazar	Sales Manager
Joe Uriell	Director Sales Industrial

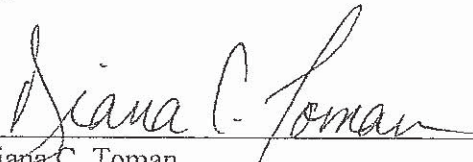
**General**

**RESOLVED**, that the officers of the Corporation are, and each of them is, hereby authorized, for and on behalf of the Corporation, to execute, deliver, file, acknowledge and record any and all such documents and instruments, and to take or cause to be done any and all

such other things as they, or any of them, may deem necessary or desirable to effectuate and carry out the resolutions adopted hereby; and

**FURTHER RESOLVED**, that any actions previously taken or caused to be taken by any officer of the Corporation or any Authorized Signatories in connection with the matters contemplated by these resolutions, or in carrying out the terms and intentions of the above resolutions, are hereby acknowledged to be duly authorized acts performed on behalf of the Corporation and are hereby ratified, confirmed and adopted as such.

**IN WITNESS WHEREOF**, the undersigned has caused this consent to be duly executed as of the date first written above. This consent may be executed via .pdf, facsimile or other electronic means, each of which will be deemed an original.

  
\_\_\_\_\_  
Diana C. Toman

## Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

**1** Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.  
**COMPASS MINERALS AMERICA INC.**

**2** Business name/disregarded entity name, if different from above

**3** Check appropriate box for federal tax classification; check only one of the following seven boxes:  
 Individual/sole proprietor or single-member LLC  
 C Corporation  
 S Corporation  
 Partnership  
 Trust/estate  
 Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) >  
 Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.  
 Other (see instructions) >

**4** Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3).  
 Exempt payee code (if any) \_\_\_\_\_  
 Exemption from FATCA reporting code (if any) \_\_\_\_\_  
*Applies to accounts mentioned outside the U.S.*

**5** Address (number, street, and apt. or suite no.)  
**9900 WEST 109TH ST., SUITE 100**

**6** City, state, and ZIP code  
**OVERLAND PARK, KS 66210**

**7** List account number(s) here (optional)

Requester's name and address (optional)

**Print or type** See Specific Instructions on page 2.

**Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.**

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number								
OR								
Employer identification number								
4	8	-	1	0	4	7	6	3

**Enter your Certification**

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

**Certification instructions.** You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here      Signature of U.S. person > *Mary Wells*      Date > *2/1/16*

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted. Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at [www.irs.gov/ir9](http://www.irs.gov/ir9).

**Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form you:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "NORTH AMERICAN SALT COMPANY", CHANGING ITS NAME FROM "NORTH AMERICAN SALT COMPANY" TO "COMPASS MINERALS AMERICA INC.", FILED IN THIS OFFICE ON THE TWENTY-EIGHTH DAY OF JULY, A.D. 2014, AT 4:01 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE KENT COUNTY RECORDER OF DEEDS.

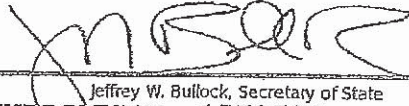
AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE FIRST DAY OF AUGUST, A.D. 2014.

2149843 8100

141004732

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 1573508

DATE: 07-28-14

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 04:01 PM 07/28/2014  
FILED 04:01 PM 07/28/2014  
SRV 141004732 - 2149843 FILE

STATE OF DELAWARE  
CERTIFICATE OF AMENDMENT  
OF SECOND AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION

NORTH AMERICAN SALT COMPANY, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), does hereby certify:

1. That at a meeting of the Board of Directors of North American Salt Company resolutions were duly adopted setting forth a proposed amendment of the Second Amended and Restated Certificate of Incorporation of the Corporation, declaring such amendment to be advisable and calling a meeting of the stockholder of the Corporation for consideration thereof. The resolution setting forth the proposed amendment is as follows:

RESOLVED, that the Second Amended and Restated Certificate of Incorporation of the Corporation be amended by changing the Article numbered "FIRST" so that, as amended, such Article shall be and read as follows:


FIRST: The name of the Corporation is Compass Minerals America Inc. (hereinafter called the "Corporation").

2. That thereafter, pursuant to resolution of its Board of Directors, a special meeting of the stockholders of the Corporation was duly called and held upon notice in accordance with Section 222 of the General Corporation Law of the State of Delaware at which meeting the necessary number of shares as required by statute were voted in favor of the amendment.

3. That the amendment was duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

4. That this amendment shall be effective on the 1<sup>st</sup> day of August, 2014.

IN WITNESS WHEREOF, the Corporation has caused this certificate to be signed this 28<sup>th</sup> day of July, 2014.

By: 

Rodney L. Underdown  
Chief Financial Officer and Secretary



## CREDIT INFORMATION

**FIRM NAME:** Compass Minerals America Inc. **PHONE:** (913) 344-9100  
**PRINCIPAL ADDRESS:** 9900 W. 109<sup>th</sup> St., Suite 100 **FEDERAL ID CODE:** 48-1047632  
Overland Park, Kansas 66210 **DATE INCORPORATED:** 01/21/88  
**MAILING ADDRESS:** Same **DATE STARTED:** 1917  
**OTHER LOCATIONS:** Chicago, IL; Kenosha, WI; **TYPE OF BUSINESS:** Manufacturing  
Duluth, MN; Ogden, UT; Lyons, KS; Cote Blanche, LA; Buffalo, NY

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### **OFFICERS:**

Francis J. Malecha President and CEO  
Matthew J. Foulston Chief Financial Officer  
Steven N. Berger Senior Vice President, Corporate Services  
Jack C. Leunig Senior Vice President, Operations  
Robert D. Miller Senior Vice President, Salt  
Diana C. Toman Senior Vice President, General Counsel and Corporate Secretary  
Peter E. Brooks Vice President of Internal Audit, Enterprise Risk Management and Insurance  
John D. Craft Vice President and Corporate Controller  
Timothy R. Mertz Vice President, Tax & Assistant Secretary  
James D. Standen Treasurer

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### **TRADE REFERENCES:**

Sonoco-Hutchinson LLC Graphics Packaging International, Inc.  
100 N. Halstead 1500 Riveredge Parkway, Suite 100  
Hutchinson, KS 67501 Atlanta, GA 30328  
(843) 383-7175 (770) 644-2969 (fax)  
(843) 339-6184 (fax) E-mail request: credit@graphiopkg.com

Prince Agri Products Salerno Packaging Inc.  
Contact: Kathy Irvin 14 Gus Lapham Lane  
229 Radio Road Plattsburgh, NY 12901  
Quincy, IL 62305 (518) 563-3636  
(217) 592-1332 (518) 563-3839 (fax)  
(217) 223-2808 (fax)

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### **BANK REFERENCES:**

JP Morgan Chase Account No.: 910-2-637635  
One Chase Plaza, 7<sup>th</sup> Floor Contact: Credit Reference Group  
New York, NY 10005 Tel: (817) 399-7201  
Fax: (817) 345-3794 or 3795

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### **RESALE / EXEMPTION STATUS:**

Exemption certificates provided upon request for items which are incorporated as an ingredient or component part of other tangible personal property to be produced for ultimate sale at retail by manufacturing, processing or fabricating.



# Product Data Sheet



9900 West 109<sup>th</sup> Street – Suite 100  
Overland Park, Kansas 66210  
Phone 800-755-7258 Fax 800-359-7258

## DE-ICING SALT

### PRODUCTION LOCATION

Cote Blanche, Louisiana

### PRODUCT DESCRIPTION

Rock salt obtained by conventional mining methods, crushed, and screened to size.

### TYPICAL SCREEN ANALYSIS

Retained and Cumulative (99.7% Confidence)

U.S.S Mesh	Tyler McsH	Open. (In.)	Cum. %	Range %	Ret. %	Range %
3/4		0.742	100.0	99 - 100	0.0	0 - 1
1/2		0.500	99.7	98 - 100	0.3	0 - 2
3/8	0.375	0.375	95.5	87 - 100	4.2	0 - 12
4	4	0.1870	69.6	35 - 100	25.8	0 - 55
8	8	0.0937	36.3	0 - 92	33.3	0 - 76
16	14	0.0464	15.8	0 - 40	20.5	0 - 64
30	28	0.0234	6.6	0 - 20	9.2	0 - 24
Pass	Pass				6.6	0 - 20

Average Particle Size 0.162 inches (5.1 mesh)

### PHYSICAL PROPERTIES

Bulk Density 72 lbs/cubic foot

Chemical Analysis (99.7% Confidence)		Typical	Range
Sodium Chloride	NaCl (%)	98.26	96.97-99.53
Calcium Sulfate	CaSO <sub>4</sub> (%)	1.36	0.01-2.71
Calcium Chloride	CaCl <sub>2</sub> (%)	0.01	0.00-0.10
Magnesium Chloride	MgCl <sub>2</sub> (%)	0.01	0.00 - 0.02
Moisture	H <sub>2</sub> O (%)	0.04	0.00 - 0.06
Water Insolubles	(%)	0.19	0.00 - 0.76

### METHOD OF ANALYSIS

American Society for Testing and Materials Procedures D632-94 and E524-91. All other testing is from Compass Minerals' internal quality control procedures, which are available upon request.

Product Description and Codes	UPC code	Product Code
Bulk		7608

### ADMIXTURE

Yellow Prussiate of Soda (YPS) added

# Product Data Sheet



9900 West 109<sup>th</sup> Street – Suite 100  
 Overland Park, Kansas 66210  
 Phone 800-755-7258 Fax 800-359-7258

## DE-ICING ROCK SALT

### PRODUCTION LOCATION

Goderich, Ontario

### PRODUCT DESCRIPTION

Rock salt obtained by conventional mining methods, crushed, and screened to size.

### TYPICAL SCREEN ANALYSIS

Retained and Cumulative (99.7% Confidence)

USS Mesh	Tyler Mesh	Open. (in.)	Ret. %	Range %	Cum %	Range %
0.500	0.500	0.500	0.3	0 - 2	0.3	0 - 2
3/8	0.371	0.374	4.0	0 - 8	4.3	0 - 9
4	4	0.187	25.8	17 - 34	30.1	19 - 41
8	8	0.0937	29.7	23 - 35	59.8	50 - 70
16	14	0.0464	18.8	14 - 24	78.6	72 - 85
30	28	0.0236	10.4	0 - 3	89.01	85 - 93
Pan	Pan		10.9	6 - 15	100.0	

Average Particle Size 0.013 inches (6.37 mesh)

### ADMIXTURE

Yellow Prussiate of Soda (YPS) added - If requested by customer

Chemical Analysis (99.7% Confidence)		Typical	Range
Sodium Chloride	NaCl (%)	97.84	96 - 99
Calcium Sulphate	CaSO <sub>4</sub> (%)	1.57	0.39 - 3
Magnesium Chloride	MgCl <sub>2</sub> (%)	0.03	0 - 0.06
Moisture	(%)	0.12	0.00 - 0.30
Water Insolubles	(%)	0.22	0.09 - 0.36
Calcium	Ca ppm	4452	2126 - 6778
Magnesium	Mg ppm	69	1 - 161
Sulphate	SO <sub>4</sub> ppm	10670	5096 - 16244

### METHOD OF ANALYSIS

American Society for Testing and Materials Procedures D632 and E534. All other testing is from Sifto Canada's internal quality control procedures, which are available upon request.

### PHYSICAL PROPERTIES

Bulk Density 1220 kg/m<sup>3</sup> (76 lbs/ft<sup>3</sup>)

Product Description and Codes	UPC code	Product Code
Bulk		6615



# Product Data Sheet



Highway Bulk Sales  
 6700 Century Avenue Suite 202  
 Mississauga, Ontario L5R 6A7  
 905-268-2420 Fax 905-655-8888

## CHILEAN DEICING SALT

### PRODUCTION LOCATION

Iquique, Chile

### PRODUCT DESCRIPTION

Rock salt obtained by conventional mining methods, crushed, and screened to size and shipped in bulk

### TYPICAL SCREEN ANALYSIS

U.S.S. Mesh	Teles Mesh	Open mm	Passing %	Range %
10	10	12.5	100.0	95 - 100
		25	99.0	95 - 100
4	4	4.75	67.5	50 - 90
8	8	2.50	57.5	40 - 80
30	25	0.60	0.0	0 - 12

Average Particle Size = 3.49 mm (16.1 mesh)

Chemical Analysis		Typical	Range
Sodium Chloride	NaCl	99.1	97 - 100
Calcium Sulfate	CaSO <sub>4</sub>	0.2	0 - 3.6
Mol. wt.		58.5	61 - 62
Water Insolubles	W.I.	0	0.1 - 0.4

### AD MIXTURE

Sodium ferrocyanide (YPS) added as an anti-caking agent

### METHOD OF ANALYSIS

American Society for Testing and Materials Procedures D632 and E524. All other testing is from Compass Mineral's internal quality control procedures which are available upon request.

Product Descriptor and Codes	UPC Code	Product Code
Bulk		66151

### PHYSICAL PROPERTIES

Typical Bulk Density = 1220 kg/m<sup>3</sup> (76 lbs/ft<sup>3</sup>)



# SAFETY DATA SHEET

## 1. Product and Company Identification

Product identifier	Salt
Other means of identification	American Backwoods Animal Nutrition Products 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 Salt brine Thawrox Treated salt Commercial bulk rock salt Safe Step Pro Series 950 MaxiFonte Solar salt Canadian Stockman Animal Nutrition products Sifto pool salt Crystal Plus
Recommended use	De-icer. General industrial and water softening/conditioning purposes. Animal Nutrition.
Recommended restrictions	None known.
Manufacturer	Compass Minerals USA Inc. 9900 West 109th Street, Suite 100 Overland Park, KS 66210 US 913-344-9200  CHEMTREC 1-800-424-9300 CANUTEC 1-613-996-6666

## 2. Hazards 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.

<b>Precautionary statement</b>	
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.

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### 3. Composition/Information on Ingredients

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Mixture	
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.

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### 4. First Aid Measures

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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.

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### 5. Fire Fighting Measures

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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.

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### 6. Accidental Release Measures

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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.

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### 7. Handling and Storage

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Precautions for safe handling	Use care in handling/storage. Avoid breathing dust.
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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)

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### 8. Exposure Controls/Personal Protection

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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	<p>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.</p> <p>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.</p> <p>Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.</p>
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.

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### 9. Physical and Chemical Properties

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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

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### 10. Stability and Reactivity

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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.

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### 11. Toxicological Information

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#### 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.

Product	Species	Test Results
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Salt (CAS Mixture)

Acute

Inhalation

LC50

Rat

21 mg/L, estimated

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 Toxicologically Synergistic Products	Not available.

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### 12. Ecological Information

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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.

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### 13. Disposal Considerations

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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).
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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### 14. Transport Information

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

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### 15. Regulatory Information

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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

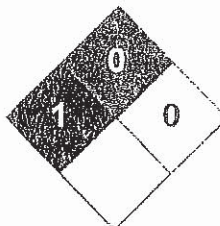
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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 Further information Not available.  
 Prepared by Dell Tech Laboratories, Ltd. Phone: (519) 858-5021  
 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.