

Safety Data Sheet**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier**

Product Name	• Potassium Chloride Pellets
Synonyms	• Softouch Potassium Chloride Pellets
SDS Number/Grade	• G4010

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)	• Water Conditioning
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1.3 Details of the supplier of the safety data sheet

Manufacturer	• Morton Salt, Inc. 123 N. Wacker Dr. Chicago, IL 60606 United States
	• saltinfo@mortonsalt.com
Telephone (General)	• 312-807-2000

1.4 Emergency telephone number

Manufacturer	• 312-807-2000
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Section 2: Hazards Identification**EU/EEC**

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP	• Not classified
DSD/DPD	• Not classified

2.2 Label Elements

CLP	
Hazard statements	• No label element(s) specifically required
DSD/DPD	
Risk phrases	• No label element(s) specifically required

2.3 Other Hazards

CLP	• According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
DSD/DPD	• According to European Directive 1999/45/EC this preparation is not considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixtureOSHA HCS 2012

- Not classified

2.2 Label elementsOSHA HCS 2012
Hazard statements

- No label element(s) specifically required

2.3 Other hazardsOSHA HCS 2012

- This product is not considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to WHMIS

2.1 Classification of the substance or mixtureWHMIS

- Not classified

2.2 Label elementsWHMIS

- No label element(s) specifically required

2.3 Other hazardsWHMIS

- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients**3.1 Substances**

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Potassium chloride	CAS:7447-40-7 EC Number:231-211-8	95% TO 99.5%	Ingestion/Oral-Rat LD50 • 2600 mg/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Sodium chloride	CAS:7647-14-5 EC Number:231-598-3	0.3% TO 3.7%	Ingestion/Oral-Rat LD50 • 3000 mg/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	May contain 0.2-1.3% Calcium and Magnesium Chlorides and Sulfates

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation**
- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- If large quantities are swallowed, call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media**
- Material is non-combustible. In case of fire use media as appropriate for surrounding fire.
- Unsuitable Extinguishing Media**
- No data available.

5.2 Special hazards arising from the substance or mixture

- Unusual Fire and Explosion Hazards**
- No unusual fire or explosion hazards known.
- Hazardous Combustion Products**
- No data available

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal Precautions**
- Wear suitable protective clothing, gloves, and eye/face protection.
- Emergency Procedures**
- Stop leak if you can do it without risk. Keep unauthorized personnel away. Use normal clean up procedures.

6.2 Environmental precautions

- None expected to be necessary if material is used under ordinary conditions and as recommended.

6.3 Methods and material for containment and cleaning up

- Containment/Clean-up Measures**
- Carefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

- Handling**
- Use good safety and industrial hygiene practices. Wash thoroughly after handling. Keep out of reach of children.

7.2 Conditions for safe storage, including any incompatibilities

- Storage**
- Avoid storage with strong acids and strong oxidizing agents.

- Incompatible Materials or Ignition Sources**
- Strong oxidizing agents, strong acids.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

- Exposure Limits/Guidelines**
- No applicable exposure limits available for product or components.

8.2 Exposure controls

- Engineering Measures/Controls**
- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear safety glasses.

Skin/Body

- Wear appropriate gloves.

General Industrial Hygiene Considerations

- Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	White compressed pellet.
Color	White	Odor	Data lacking
Particulate Size	Variable	Odor Threshold	Data lacking
General Properties			
Boiling Point	Sublimes at 1500°C (2732°F)	Melting Point	772 to 776 C(1421.6 to 1428.8 F)
Decomposition Temperature	Data lacking	pH	5.4 to 10 in a 5% solution
Specific Gravity/Relative Density	1.986 to 1.99 Water=1	Bulk Density	64 to 75 lb(s)/ft³
Water Solubility	34.2 g/100mL at 20°C	Viscosity	Data lacking

Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Incompatible materials.

10.5 Incompatible materials

- Strong oxidizing agents, strong acids.

10.6 Hazardous decomposition products

- Will react with strong acids to generate hydrogen chloride and with strong oxidizing agents to generate chlorine gas.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Acute toxicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Skin corrosion/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Skin sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-RE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
STOT-SE	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Toxicity for Reproduction	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Respiratory sensitization	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Serious eye damage/Irritation	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking

Potential Health Effects

Inhalation

Acute (Immediate)

- Under normal conditions of use, no health effects are expected. Inhalation of dust may cause mild irritation to mucous membranes, nose and throat. Symptoms may include coughing, dryness and sore throat.

Chronic (Delayed)

- No data available.

Skin

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- No data available.

Eye

Acute (Immediate)

- Based upon practical use and experience using this product eye irritation is not expected to occur.

Chronic (Delayed)

- No data available.

Ingestion

Acute (Immediate)

- Ingestion may cause the following symptoms - diarrhea.

Chronic (Delayed)

- No data available.

Key to abbreviations

LD = Lethal Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for user

- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • None

State Right To Know				
Component	CAS	MA	NJ	PA
Potassium chloride	7447-40-7	No	No	No
Sodium chloride	7647-14-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Potassium chloride	7447-40-7	Yes	No	Yes	No	Yes
Sodium chloride	7647-14-5	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Potassium chloride

7447-40-7

Uncontrolled product according to WHMIS classification criteria (including

23.8%)
Uncontrolled product
according to WHMIS
classification criteria

- Sodium chloride

7647-14-5

Canada - WHMIS - Ingredient Disclosure List

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Environment

Canada - 2004 NPRI (National Pollutant Release Inventory)

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Canada - 2005 NPRI (National Pollutant Release Inventory)

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Canada - CEPA - Priority Substances List

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Canada - DWQ (Drinking Water Quality) - IMACs

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Other

Canada - Accelerated Reduction/Elimination of Toxics (ARET)

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Canada New Brunswick

Environment

Canada - New Brunswick - Ozone Depleting Substances - Schedule A

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Canada - New Brunswick - Ozone Depleting Substances - Schedule B

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- Potassium chloride
- Sodium chloride

7447-40-7

Not Listed

7647-14-5

Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- Potassium chloride

7447-40-7

Not Listed

• Sodium chloride	7647-14-5	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Mexico

Other

Mexico - Hazard Classifications

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Mexico - Regulated Substances

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - EPA - Designated Generic Categories - Aqueous Ammonia

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Potassium chloride	7447-40-7	Not Listed
• Sodium chloride	7647-14-5	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

