

GRAND VALLEY DISTRIBUTER'S
SAFETY DATA SHEET
GET A GRIP

Date Prepared: 8/17/16

I. Product Identity

PRODUCT NAME: Quick Melt

MFR INFO: Grand Valley Distributors
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

Potash
Urea

III. Ingredient: Potash

Section 1: Identification

Trade Name : Muriate of Potash (MOP), all grades
Chemical Name : Potassium Chloride
CAS Number : 7447-40-7
Chemical Family : Inorganic salt
Synonyms : Potash, MOP, Potassium Chloride, Potassium Muriate, Potassium Monochloride, Muriate of Potash
Primary Use : Crop nutrient and industrial applications
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-US Classification
Eye Irritation 2B H320
Full text of H-phrases: see section 16
GHS-US Labeling
Signal Word : Warning
Hazard Statement : H320 – Causes eye irritation
Precautionary Statements : P264 – Wash hands thoroughly after handling
P305 + P351 + P338 – If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other Hazards

No pictogram according to the established criteria.

No additional information available.

Section 3: Composition and Information on Ingredients

Substances : Not applicable

Mixtures

Name	Product Identifier	%	GHS-US Classification
Potassium Chloride	(CAS No.) 7447-40-7	95-99.8	Eye Irrit. 2B, H320

Sodium Chloride	(CAS No.) 7647-14-5	1-4	Skin Irrit. 2, H315 Eye Irrit. 2A, H316 STOT SE 3, H335
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*May contain up to 0.25% base lubrication (de-dust) oil and/or 0.03% neutralized primary aliphatic (anti-cake) amine.

Section 4: First Aid Measures

First-aid Measures General	:	If medical advice is needed, have product container or label in hand.
First-aid Measures After Inhalation	:	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact	:	Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists.
First-aid Measures After Eye Contact	:	Immediately rinse with water for a prolonged period (15 minutes) while holding the eyelids wide open including upper and lower lids. Obtain medical attention if pain and irritation develops or persists.
First-aid Measures After Ingestion	:	Do not induce vomiting. Administer water if patient is conscious. Ingesting potash will usually cause purging of the stomach by vomiting. Seek medical attention if a large amount is swallowed. Get medical advice and attention you feel unwell.
Symptoms/ Injuries	:	Irritation to eyes, skin, and respiratory tract.
Injuries after Inhalation	:	Overexposure may be irritating to the respiratory system.
Injuries after Skin Contact	:	May cause skin irritation.
Injuries after Ingestion	:	If a large quantity has been ingested: abdominal pain, diarrhea, nausea, vomiting, tingling in hands and feet, weak pulse, and circulatory disturbances.
Chronic Symptoms	:	Prolonged inhalation of dust may cause respiratory irritation.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	:	Not flammable. Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media	:	None known.
Fire Hazard	:	Under conditions of fire this material may produce: potassium oxides, hydrogen chloride, and chlorine gas.
Explosion Hazard	:	Product is not explosive.
Reactivity	:	Stable at ambient temperature and under normal conditions of use.
Fire-fighting Instructions	:	Keep upwind. Under conditions of fire this material may produce: potassium oxides, hydrogen chloride, and chlorine gas.
Protection During Fire-Fighting	:	Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
Other Information	:	Do not allow run-off from fire fighting to enter drains or water courses.

Section 6: Accidental Release Measures

General Measures	:	Do not breathe fumes from fires or vapors from decomposition.
Protective Equipment	:	Wear suitable protective clothing, gloves, and eye/face protection including tight fitting goggles in areas of high dust concentration. Wear NIOSH approved respiratory protective equipment when workplace conditions warrant use of respirator.
Emergency Procedures	:	Collect as any solid. Ventilate area. If possible, stop flow of product. Contain and collect as any solid. Ventilate area.
Environmental Precautions	:	If spill could potentially enter any waterway, including intermittent dry creeks, contact the US Coast Guard National Response Center at 800-424-8802. In case of accident or road spill notify CHEMTREC at 1-800-424-9300.
Containment	:	Contain and collect as any solid. Do not allow into drains or water courses or dispose of where ground or surface waters may be effected.
Methods for Cleaning Up	:	Recover the product by vacuuming, shoveling, or sweeping. Avoid generation of dust during clean-ups of spills. If uncontaminated, recover and reuse as product. If on soil, remove and collect the top 5 cm of soil.

Section 7: Handling and Storage

Additional Hazards when Processed	:	When heated, material emits irritating fumes.
Precautions for Safe Handling	:	Handle in accordance with good industrial hygiene and safety procedures. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.
Hygiene Measures	:	Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Storage Conditions	:	Store tightly closed in a dry, cool, and well ventilated place. Protect from moisture.

Special Rules on Packaging : Avoid contact with aluminum or carbon steel to minimize corrosion.
Specific End Use : Fertilizer

Section 8: Exposure Controls and Personal Protection

Control Parameters : Highly soluble – No ACGIH TWA, Particulate Not Otherwise Specified (PNOS) not appropriate for highly soluble material.

Appropriate

Engineering Controls : Ensure adequate ventilation, especially in confined areas.

Personal

Protection Equipment : Gloves, safety glasses, and protective clothing.

Hand Protection : Impermeable protective gloves.

Eye Protection : Protective goggles.

Skin and Body Protection : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wear suitable protective clothing. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice. Wash clothing frequently.

Respiratory Protection : Use NIOSH-approved air purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

Environmental

Exposure Controls : Ensure adequate ventilation, especially in confined areas.

Section 9: Physical and Chemical Properties

Physical State : Solid

Appearance : Granular solid. Fine to 4mm size.

Color : White to red

Odor : Slightly oily

Odor Threshold : No data available

pH : 7 (approximately)

Relative Evaporation Rate : No data available

Melting Point : 771-773 C (1420-1423 F)

Freezing Point : No data available

Boiling Point : 1420-1500 C (2588-2732 F)

Flash Point : No data available

Self Ignition Temperature : Not flammable

Decomposition Temperature : No data available

Flammability (solid, gas) : Not flammable

Vapor Pressure : 80 Pa at 20 C

Relative Vapor

Density at 20 C : No data available

Relative Density : No data available

Density : 1.98 g/cc

Solubility : Water: 347 g/l (at 20 C)

Log Pow : No data available

Log Kow : No data available

Viscosity, Kinematic : No data available

Viscosity, Dynamic : No data available

Explosive Properties : None known

Oxidizing properties : None known

Explosive Limits : Not explosive

VOC Content : < 0.5%

Section 10: Stability and Reactivity

Reactivity : Stable at temperature and under normal conditions of use.

Chemical Stability : Stable at standard temperature and pressure.

Possibility of

Hazardous Reactions : Hazardous polymerization will not occur.

Conditions to Avoid : Protect from moisture.

Incompatible Materials : Contact with acids liberates toxic gas (chlorine). Contact with hot nitric acid may produce toxic nitrosyl chloride.

Hazardous

Decomposition Products : Contact with strong acids may produce hydrogen chlorine gas.

Section 11: Toxicological Information

Acute Toxicity : Not classified

Potash	
Additional Information	Potassium chloride is listed by the FDA as “Generally Recognized as Safe” (GRAS) and may be used as a food additive according to prescribed conditions.

Potassium Chloride (7447-40-7)	
LD50 oral rat	2600 mg/kg

Sodium Chloride (7647-14-5)	
LD50 oral rat	3 g/kg
LD50 dermal rabbit	> 10 g/kg
LD50	> 42 g/m ³ (exposure time: 1 hr)

Serious Eye
 Damage/ Irritation : Causes eye irritation
 pH: 7 (approximately)

Respiratory
 Skin Sensitization : Not classified
 Germ Cell Mutagenicity : Not classified
 Carcinogenicity : Not classified
 Specific Target Organ Toxicity (single exposure) – not classified
 Specific Target Organ Toxicity (repeated exposure) – not classified
 Aspiration Hazard : Not classified

Section 12: Ecological Information

Ecotoxicity:	
Acute toxicity to fish:	(Lepomis Macrochirus) (blue gill) – 96 hour – LC ₅₀ = 2010 mg/L (ppm KCl)
Chronic toxicity to fish:	No data available
Acute toxicity to aquatic invertebrates:	(Daphnia Mgna) – 48 hours – EC ₅₀ = 337 – 825 mg/L; (Physa Heterostropha) – 96 hrs – LC ₅₀ = 940 mg/L.
Chronic Toxicity to Aquatic Invertebrates:	No data available
Toxicity to aquatic plants:	((Nitzshia linearis)diatom) – 5 days – 120 hour TIm = 1,337 ppm KCl; (Scendesmus subspicatus) 72 hour - EC ₅₀
Toxicity to bacteria: (activated)	No data available
Toxicity to soil dwelling organisms:	No data available
Toxicity to terrestrial plants:	No data available

Environmental Fate:	
Stability in Water:	Ions can persist, dissociates in water
Stability in Soil:	Binds to clay particles
Transport and Distribution:	1.51 x 10 ⁻⁸ % to air; 45.2% to water; 54.7% to soil; 0.0755% to sediment

Toxicity:	
Not toxic to aquatic organisms defined by USEPA	

Degradation Products:	
Bio-degradation:	No data available
Photo-degradation:	No data available

Section 13: Disposal Considerations

Sewage Disposal
 Considerations : This material may be hazardous to the aquatic environment. Keep out of sewers and waterways.
 Waste Disposal
 Recommendations : Place in an appropriate container and dispose of the contaminated material at a licensed site.
 Additional Information : Dispose of waste material in accordance with all local, regional, national, and international regulations.

Section 14: Transport Information

In accordance with DOT, TDG, ADR, RID, ADNR, IMDG, ICAO, and IATA.
 UN Number : No dangerous good in sense of transport regulations.
 UN Proper Shipping Name : Not applicable
 Additional Information : No supplementary information available.
 Overland Transport : No additional information available.
 Transport by Sea : No additional information available.
 Air Transport : No additional information available.

Section 15: Regulatory Information

US Federal Information

Potash	
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard

Potassium Chloride (7447-40-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium Chloride (7647*14OS-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

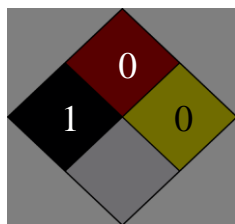
The following states have an OSH program approved by OSHA. If you are located in any of these states you may be under state jurisdiction rather than federal jurisdiction and your state may have more requirements than OSHA. You should consult your state regulations to ensure compliance.

Alaska	*Illinois	Michigan	*New York	Tennessee	Washington
Arizona	Indiana	Minnesota	North Carolina	Utah	Wyoming
California	Iowa	Nevada	Oregon	Vermont	
*Connecticut	Kentucky	New Mexico	Puerto Rico	*Virgin Islands	
Hawaii	Maryland	*New Jersey	South Carolina	Virginia	

*The state plans in these states apply only to public sector employers. In these states private sector employers are subject to USOL – OSHA jurisdiction. All other state plans apply to both public and private sector employers.

Sodium Chloride (7647-14-5)
US. - Texas – Effects Screening Levels – Long Term
US. - Texas – Effects Screening Levels – Short Term

Section 16: Other Information



NFPA Health Hazard : 1 – Exposure could cause irritation but only minor residual injury even if no treatment is given.
 NFPA Fire Hazard : 0 – Materials that will not burn.
 NFPA Reactivity : 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.

Full Text of H-Phrases

Eye Irrit. 2	Serious eye damage/ eye irritation Category 2
Skin Irrit. 2	Skin corrosion/ irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H315	Causes skin irritation
H319	Causes serious eye irritation

H335	May cause respiratory irritation
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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: Urea
