



## Safety Data Sheet

### Section 1: Identification

Trade Name: Potassium Carbonate Extra Fine; Potassium Carbonate Glass; Potassium Carbonate Dense Granular; Potassium Carbonate Fine

Synonyms: Pearlash, Potash, PotCarb

Company: Soapgoods Inc

Address: 1824 Willow Trail Pkwy, Ste 200. Norcross. GA 30093

Phone: (404) 924-9080

E-Mail: [wecare@soapgoods.com](mailto:wecare@soapgoods.com)

Emergency Phone: Chemtrec 1 800 424 9300

### Section 2: Hazard(s) Identification

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Color: White

Physical State: Solid

Appearance: Free-flowing, Granular powder

Odor: Odorless

Signal Word: WARNING

MAJOR HEALTH HAZARDS: CAUSES SERIOUS EYE IRRITATION. CAUSES SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. HARMFUL IF INHALED OR SWALLOWED.

AQUATIC TOXICITY: HARMFUL TO AQUATIC LIFE. May increase pH of waterways and adversely affect aquatic life.

PRECAUTIONARY STATEMENTS: Avoid contact with skin and eyes. Wash skin and contaminated clothing thoroughly after handling. Wear protective gloves, protective clothing, eye, and face protection. Avoid breathing dust.

Use only outdoors or in a well-ventilated area. Avoid release to the environment.

GHS: CONTACT HAZARD - SKIN	Category 2 - Causes skin irritation
GHS: CONTACT HAZARD - EYE:	Category 2A - Causes serious eye irritation
GHS: SENSITIZATION HAZARD	Not classified as a dermal sensitizer according to GHS criteria. This material when applied to the skin of guinea pigs did not elicit any dermal sensitization reaction.
GHS: ACUTE TOXICITY - INHALATION:	Category 4 - Harmful if inhaled
GHS: ACUTE TOXICITY - ORAL	Category 4 - Harmful if swallowed.
GHS: ACUTE TOXICITY - DERMAL	Not classified as acutely toxic for dermal exposure
GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Category 3 - May cause respiratory tract irritation
GHS: CARCINOGENICITY:	This product is not classified as a carcinogen by NTP, IARC or OSHA.
GHS: HAZARDOUS TO AQUATIC ENVIRONMENT - ACUTE HAZARD:	Category 3 - Harmful to aquatic life

UNKNOWN ACUTE TOXICITY: Not applicable. 100% of this product consists of ingredient(s) of known acute toxicity.

GHS SYMBOL: Exclamation mark



GHS SIGNAL WORD: WARNING

GHS HAZARD STATEMENTS:

GHS - Health Hazard Statement(s)

Causes serious eye irritation

Causes skin irritation

Harmful if swallowed

Harmful if inhaled

May cause respiratory irritation

GHS - Environmental Hazard Statement(s)

Harmful to aquatic life

GHS - Precautionary Statement(s) - Prevention

Wear protective gloves, protective clothing, eye, and face protection

Wash thoroughly after handling

Avoid breathing dust

Use only outdoors or in a well-ventilated area

Do not eat, drink or smoke when using this product

Avoid release to the environment

GHS - Precautionary Statement(s) - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing

If eye irritation persists: Get medical advice/attention

Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)

IF ON SKIN: Wash with plenty of water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

GHS - Precautionary Statement(s) - Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

GHS - Precautionary Statement(s) - Disposal

Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations

Hazards Not Otherwise Classified (HNOC)

None Known

See Section 11: TOXICOLOGICAL INFORMATION

### Section 3: Composition/Information on Ingredients

Component	Percent [%]	CAS Number	
Potassium Carbonate	98.5-100	584-08-7	
Water	0-1	7732-18-5	
Impurities	0-0.5	NOT ASSIGNED	

## **Section 4: First-Aid Measures**

**INHALATION:** If inhaled and adverse effects occur, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**SKIN CONTACT:** Immediately brush off excess chemical and flush contaminated areas with plenty of water.

Remove contaminated clothing, jewelry and shoes. **SPECIFIC TREATMENT:** Irrigation with water. **IF SKIN IRRITATION OCCURS:** GET MEDICAL ADVICE/ATTENTION. Wash contaminated clothing before re-use.

**EYE CONTACT:** Immediately flush contaminated eyes with a directed stream of water for as long as possible.

Remove contact lenses, if present and easy to do. Continue rinsing. **GET MEDICAL ATTENTION IMMEDIATELY.**

**INGESTION:** If swallowed: Rinse mouth. Do NOT induce vomiting. Give water as tolerated. Never give anything by mouth to an unconscious or convulsive person. If vomiting occurs spontaneously, keep airway clear. If you feel unwell, contact a poison center or doctor/physician.

Most Important Symptoms/Effects (Acute and Delayed) .:

Acute Symptoms/Effects: Listed below.

**Inhalation (Breathing):** Respiratory Irritation: Upper airway irritation, may cause cough, redness of mouth and upper airways.

**Skin:** Skin Irritation: Exposure to skin may cause redness, or irritation.

**Eye:** Eye Irritation: Exposure to eyes may cause severe irritation and redness to the eye lids, conjunctiva. There is potential for permanent and severe eye damage if not treated immediately.

**Ingestion (Swallowing):** Gastrointestinal System Effects: Slightly toxic on ingestion. May be severely irritating to gastrointestinal tract possibly causing oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingestion of large quantities may cause ulceration, vomiting, shock, and death.

Delayed Symptoms/Effects:

- Repeated or prolonged contact may result in dermatitis

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: May aggravate preexisting conditions, such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin.

Protection of First-Aiders: Avoid contact with skin and eyes. Do not breathe dust. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Notes to Physician: Treatment is based upon symptomatic and supportive care.

## **Section 5: Fire-Fighting Measures**

Fire Hazard: Negligible fire hazard.

Extinguishing Media: Use extinguishing medium as appropriate for surrounding fire.

Fire Fighting: Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Hazardous Combustion

Products: Oxides of carbon, Potassium oxides

Sensitivity to Mechanical

Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Lower Flammability Level (air): Not flammable

Upper Flammability Level (air): Not flammable

Flash point: Not flammable

Auto-ignition Temperature: No information available

## **Section 6: Accidental Release Measures**

Personal Precautions:

Avoid contact with skin and eyes. Avoid breathing dust. Avoid dust formation. Wash thoroughly after handling. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:

Shovel dry material into suitable container. Flush spill area with water, if appropriate.

Environmental Precautions:

This material is harmful to aquatic life. Keep out of water supplies and sewers. Releases should be reported, if required, to appropriate agencies.

## **Section 7: Handling and Storage**

Precautions for Safe Handling:

Avoid contact with skin and eyes. Avoid creation of dust. Avoid breathing dust. When using, do not eat, drink or smoke. Wash thoroughly after handling. Do not reuse containers. Use only in well-ventilated areas.

Safe Storage Conditions: Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Granular material is slightly hygroscopic; ground material is very hygroscopic. Store in a cool, dry area. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to Avoid: Acids, Lime, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

## **Section 8: Exposure Controls/Personal Protection**

Regulatory Exposure Limit(s): Listed below for the product components that have regulatory occupational exposure limits (OEL's) established.

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PEL Ceiling
Particles Not Otherwise Regulated (PNOR) 00-00-001	15 mg/m <sup>3</sup> (Total) 5 mg/m <sup>3</sup> (Respirable)		

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): Listed below for the product components that have advisory (non-regulatory) occupational exposure limits (OEL's) established.

Component	CAS Number	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Particulates Not Otherwise Specified (PNOS)	Not Assigned	d 10 mg/m <sup>3</sup> (Inhalable) 3 mg/m <sup>3</sup> (Respirable)					

The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

Recommended Exposure Limits (REL's) are non-regulatory occupational exposure limits that the manufacturer has established based on health effects data.

OXY REL 8 hr TWA	Recommended Exposure Limit - 2 mg/m <sup>3</sup> recommended Time Weighted Average - 8 hour (internal Occupational Exposure Limit) (Inhalable Particulate)
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ENGINEERING CONTROLS: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear safety glasses with side-shields. If eye contact is likely, wear chemical resistant

safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and Body Protection: Wear protective clothing to minimize skin contact. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek<sup>®</sup>.

Contaminated clothing should be removed and laundered before reuse.

Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Protective Material Types: Butyl rubber, Natural rubber, Neoprene, Nitrile

Respiratory Protection: A NIOSH approved respirator with N95 (dust, fume, mist) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. When an air purifying respirator is not adequate for spills and/or emergencies of unknown concentrations, an approved self-contained breathing apparatus operated in the pressure demand mode is required. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practices. Good hygiene practices include but are not limited to: wearing suitable gloves and/or eye protection; washing hands and affected skin immediately after handling, before breaks, and at the end of the workday; regularly cleaning work area and clothing; etc.

## **Section 9: Physical and Chemical Properties**

Physical State: Solid

Appearance: Free-flowing, Granular powder

Color: White

Odor: Odorless

Odor Threshold [ppm]: Not applicable. No odor warning properties.

Molecular Weight: 138.21

Molecular Formula:  $K_2CO_3$

Decomposition Temperature: 212 - 392 °F (100 - 200 °C)

Boiling Point/Range: Not applicable to solids

Freezing Point/Range: Not applicable to solids.

Melting Point/Range: 1636 °F (891 °C)

Vapor Pressure: Not applicable

Vapor Density (air=1): Not applicable

Relative Density/Specific Gravity (water=1): 2.428 @ 19 (°C)

Density: 1201 - 1330 g/L (granular); 560 - 625 g/L (ground) @ 20 °C

Bulk Density: 75-83 lb/ft<sup>3</sup> (granular; 35-39 lb/ft<sup>3</sup> (ground) @ 20 °C

Water Solubility: 100%

pH: moderately basic in solution

Volatility: Not applicable  
 Evaporation Rate (ether=1): Not applicable  
 Partition Coefficient (n-octanol/water): Not applicable  
 Flash point: Not flammable  
 Flammability (solid, gas): Not flammable  
 Lower Flammability Level (air): Not flammable  
 Upper Flammability Level (air): Not flammable  
 Auto-ignition Temperature: No information available  
 Viscosity: Not applicable  
 Hygroscopic: Yes

**Section 10: Stability and Reactivity**

Reactivity: Not reactive under normal temperatures and pressures.  
 Chemical Stability: Stable at normal temperatures and pressures.  
 Possibility of Hazardous Reactions:  
 Avoid contact with lime to prevent formation of corrosive potassium hydroxide (KOH).  
 Conditions to Avoid: (e.g., static discharge, shock, or vibration) - None known.  
 Incompatibilities/ Materials to Avoid: Acids. Lime. Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.  
 Hazardous Decomposition Products: Carbon oxides, Potassium oxides  
 Hazardous Polymerization: Will not occur.

**Section 11: Toxicological Information**

TOXICITY DATA:

PRODUCT TOXICITY DATA: POTASSIUM CARBONATE (ANHYDROUS ALL GRADES)

LD50 Oral: 1,870 mg/kg (Rat)	LD50 Dermal: >2000 mg/kg (Rabbit)	LC50 Inhalation: > 4.96 mg/l (rat/4.5 hour)
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COMPONENT TOXICITY DATA: Note: The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given

Component	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
Potassium Carbonate 584-08-7	1870 mg/kg (Rat)		
Water 7732-18-5			

POTENTIAL HEALTH EFFECTS:

Eye contact: Eye exposure may cause severe irritation and redness to the eye lids, conjunctiva.



Untreated, prolonged eye contact can cause permanent and severe eye damage.

Skin contact: Exposure to skin may cause redness, irritation.

Inhalation: Inhalation of this material may cause upper airway irritation, cough, redness of mouth and upper airways.

Ingestion: Ingestion of this material may cause oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingesting large quantities may cause ulceration, vomiting, shock, and death.

Chronic Effects: Repeated or prolonged contact may result in dermatitis.

#### SIGNS AND SYMPTOMS OF EXPOSURE:

Listed below.

Inhalation (Breathing): Respiratory Irritation: Upper airway irritation, may cause cough, redness of mouth and upper airways.

Skin: Skin Irritation: Exposure to skin may cause redness, or irritation.

Eye: Eye Irritation: Exposure to eyes may cause severe irritation and redness to the eye lids, conjunctiva. There is potential for permanent and severe eye damage if not treated immediately.

Ingestion (Swallowing): Gastrointestinal System Effects: Slightly toxic on ingestion. May be severely irritating to gastrointestinal tract possibly causing oral, esophageal, glottis redness, irritation, ulceration, edema, and stomach and intestinal irritation and burns. Ingestion of large quantities may cause ulceration, vomiting, shock, and death.

#### ACUTE TOXICITY:

This material when applied to the skin of guinea pigs did not elicit any dermal sensitization reaction.

Interaction with Other Chemicals Which Enhance Toxicity: None known.

#### GHS HEALTH HAZARDS:

Listed below.

GHS: ACUTE TOXICITY - ORAL: Category 4 - Harmful if swallowed.

GHS: ACUTE TOXICITY -

DERMAL: Not classified as acutely toxic for dermal exposure.

GHS: ACUTE TOXICITY -

INHALATION: Category 4 - Harmful if inhaled.

GHS: CONTACT HAZARD - EYE: Category 2A - Causes serious eye irritation

GHS: CONTACT HAZARD -

SKIN: Category 2 - Causes skin irritation

Skin Absorbent / Dermal Route? No.

GHS: SENSITIZATION HAZARD: Not classified as a dermal sensitizer according to GHS criteria. This material when applied to the skin of guinea pigs did not elicit any dermal sensitization reaction.

GHS: CARCINOGENICITY:

This product is not classified as a carcinogen by NTP, IARC or OSHA.

SPECIFIC TARGET ORGAN TOXICITY (Single Exposure):

Category 3 - Respiratory Tract Irritation

MUTAGENIC DATA:

Not classified as a mutagen per GHS criteria. Tested negative in test systems evaluated.

DEVELOPMENTAL TOXICITY:

Not classified as a developmental or reproductive toxin per GHS criteria. No discernable effects on maternal or fetal survival were observed in animal studies.

## **Section 12: Ecological Information**

ECOTOXICITY DATA:

Fish Toxicity:

LC50 Bluegill sunfish: 230 mg/L (96 hour)

LC50 Rainbow trout: 68 mg/L (96 hour)

LC50 Fathead minnow: 940 mg/L (24 hour)

LC50 Fathead minnow: 820 mg/L (48 hour)

LC50 Fathead minnow: <510 mg/L (96 hour)

Invertebrate Toxicity:

EC50 Daphnia magna: 430 mg/L (48 hour) - hard water

EC50 Daphnia pulex: 200 mg/L (48 hour) - soft water

FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation

PERSISTENCE: This material is believed not to persist in the environment

BIOACCUMULATIVE POTENTIAL: This material is believed not to bioaccumulate. Potassium carbonate is very soluble in water. Therefore the substance does not accumulate in lipophilic tissues of living organisms.

ADDITIONAL ECOLOGICAL INFORMATION: This material is harmful to aquatic life. May increase pH of waterways and adversely affect aquatic life

## **Section 13: Disposal Considerations**

Waste from material:

Reuse or reprocess, if possible. May be subject to disposal regulations. Measure the pH of solutions to determine disposal restrictions. Dispose in accordance with all applicable regulations.

Container Management:

Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

## **Section 14: Transport Information**

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

Status: Not regulated.

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

Status: Not regulated.

MARITIME TRANSPORT (IMO / IMDG) Not regulated

Status - IMO / IMDG: Not Regulated

## **Section 15: Regulatory Information**

U.S. REGULATIONS

OSHA REGULATORY STATUS:

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):

Not regulated.

SARA EHS Chemical (40 CFR 355.30)

Not regulated

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):

Acute Health Hazard

EPCRA SECTION 313 (40 CFR 372.65):

Not regulated.

DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):

No components in this material are regulated under DHS

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):

Not regulated

FDA: This material has Generally Recognized as Safe (GRAS) status under specific FDA regulations.

Additional information is available from the Code of Federal Regulations which is accessible on the FDA's website. This product is not produced under all current Good Manufacturing Practices (cGMP) requirements as defined by the Food and Drug Administration (FDA).

NATIONAL INVENTORY STATUS

U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA): All components are listed or exempt.

TSCA 12(b): This product is not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

STATE REGULATIONS

California Proposition 65:

This product and its ingredients are not listed, but it may contain impurities/trace elements known to the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 State Drinking Water and Toxic Enforcement Act. For additional information, contact OxyChem Technical Services at 1-800-733-1165.

## CANADIAN 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 - Classifications of Substances: •D2B-

Poisonous and Infectious Material; Materials causing other toxic effects - Toxic material

## Section 16: Other Information

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Review Date: December 2015