

MATERIAL SAFETY DATA SHEET Page 1

DUCT NAME : POTASSIUM CARBONATE CALCINED
 PRODUCT CODE : 06100 PEARL ASH

CHPOTC

DATE: 21-Mar-94
 TIME: 15:03

CAS #: 000584087

MSDS No. 001169 Revision No./Date 01 930922
 Detail Number 00599/01

FORMULA: K₂CO₃

CHEM. FAMILY: inorganic salts

CHEMICAL NAME AND SYNONYMS:

- Potash Carbonate;
- Potassium Carbonate, Anhydrous, Hydrated;
- Calcined Potassium Carbonate;
- Pearl Ash;
- Potash;
- Potcarb;
- Carbonic Acid, Dipotassium Salt;

MSDS 001169 DETAIL 00599

SUPPLIERS NAME : Harcros Chemicals Inc.
 5200 Speaker Road
 Kansas City KS 66106-1095

SUPPLIERS PHONE NUMBER : 913-321-3131
 TRANSPORTATION EMERGENCY PHONE NUMBER : 1-800-424-9300

S.A.R.A. INFORMATION

HAZARDS : Acute Chronic
 PHYSICAL DATA : Pure Solid

SECTION I HAZARDOUS INGREDIENTS

Ingredient Cas Number	MAX % W/W	SARA APPLIES			AIR CONTAMINANT LEVELS			
		312	313	372	TWA/TLV (ppm)	STEL (ppm)	CEIL (ppm)	SKIN/AGENT
Potassium Carbonate Potash (CAS # 584-08-7)	100.0	Y	N	N	PARTICULATES NOT OTHERWISE REGULATED			
					Total TWA	15 mg/m ³	OSHA	
					Total TLV	10 mg/m ³	ACGIH	
					Respirable TWA	5 mg/m ³	OSHA	

SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE

EYES
 Eye contact with product may cause severe irritation
 Prolonged or repeated eye contact may cause eye damage

SKIN
 Skin contact may cause irritation

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SECTION II HEALTH HAZARDS

(CONTINUE)

Prolonged or repeated skin contact may cause skin damage dermatitis tissue destruction

INHALATION

Inhalation may cause irritation, lung damage, damage to respiratory system. chemical pneumonia

INGESTION

Ingestion may cause severe irritation

TARGET ORGANS

OVEREXPOSURE MAY CAUSE DAMAGE TO,
DISORDERS OF, OR ADVERSELY AFFECT THE FOLLOWING SYSTEMS, FUNCTIONS, ORGANS: none currently
known

FIRST AID

FIRST AID EYES

Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart
to ensure flushing of entire surface. Call a physician.

FIRST AID SKIN

Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated
clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

FIRST AID INHALATION

Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth.
If breathing is difficult give oxygen. Call a physician.

FIRST AID INGESTION

Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If
vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. Call
a physician immediately.

OTHER INFORMATION

ROUTES OF ENTRY

eye contact skin contact inhalation ingestion

OVEREXPOSURE MAY AGGRAVATE DISORDERS OF THE

skin eyes mucous membranes respiratory system

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT

PROTECTIVE EQUIPMENT EYES

chemical goggles Always wear eye protection when working with chemicals. Do Not wear contact
lenses when working with chemicals.

PROTECTIVE EQUIPMENT SKIN

clean body covering clothing impervious gloves

PROTECTIVE EQUIPMENT INHALATION

If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved
for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical
hazards, or consult your safety equipment supplier. Respiratory protection programs must be in
compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved
positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED:

Adequate ventilation is required to minimize exposure or to maintain exposure levels below

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SECTION III SPECIAL PROTECTION

(CONTINUE)

OSHA/ACGIH requirements. Local mechanical ventilation may be required.

ADDITIONAL PROTECTIVE MEASURES

Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): N/A

Flammable Limits (% Volume in Air) UPPER: N/D Lower: N/D

HMIS Info Health : 2
Fire : 0
React : 0
Special : X

EXTINGUISHING MEDIA

media appropriate for surrounding fire water spray dry chemical carbon dioxide

FIRE FIGHTING PROCEDURES

Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing. Not considered a fire hazard.

USUAL FIRE & EXPLOSION HAZARDS

Dust can be an explosion hazard. Prevent buildup of dust on walls, floors, and equipment.

SECTION V PHYSICAL DATA

Boiling Point: N/D

Freezing Point: N/D

Specific Gravity (H(2)O=1): > OR = 2.4000 @ 68 deg. F

Vapor Pressure (MM HG.): N/D

Vapor Density (AIR=1): N/D

Evaporation Rate (NA =1): N/D

Solubility in Water: 50%

Percent Volatile by Volume: N/D

pH: aqueous approx. > OR = 11.000

Appearance:

SOLID - POWDER, CRYSTAL, FLAKE, GRANULE
TABLET, PRILL, BRIQUETTE, ETC.

Odor:

NIL

SECTION VI REACTIVITY DATA

STABILITY

Continued On Page 4

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SECTION VI REACTIVITY DATA

(CONTINUE)

Stable

INCOMPATIBILITY

inorganic bases

HAZARDOUS DECOMPOSITION PRODUCTS

carbon dioxide carbon monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Evacuate non essential personnel, eliminate ignition sources, and wear protective equipment (See Section III). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers. It may be necessary to remove contaminated soil. If product is flammable or combustible, use non sparking tools. If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate. If alkalinity (high pH) is a problem neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities.

DISPOSAL METHOD

Liquids must be disposed of in a permitted hazardous waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted hazardous waste management facility. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

SECTION VIII

Proper Shipping Name:
Hazard Class: UNCLASSIFIED
Label Requirements: NONE
Reportable Quantity: None

SECTION IX ADDITIONAL INFORMATION

PRECAUTIONS

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe dust. Do Not get in eyes, on skin, or clothing. Do not swallow.

HANDLING

For industrial use only. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE

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SECTION IX ADDITIONAL INFORMATION

(CONTINUE)

Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children.

NAME: GENE TURNER

DATE ISSUED: 930922

DATE REVISED: 930922

UNK = UNKNOWN

< = LESS THAN

N/A = NOT APPLICABLE

> = MORE THAN

N/D = NOT DETERMINED

N/E = NOT ESTABLISHED

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