



**SAFETY DATA SHEET  
GENERAL INFORMATION  
DENSE POTASSIUM CARBONATE**

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	<b>Dense Potassium Carbonate</b>
Identification:	K2D-MSDS
Synonyms:	Raw potash, potassium salt, pearl ash
Uses (recommended):	Food, pharmaceutical, welding, glass indu
Manufacturer / Supplier:	<b>Rot Quimica S.A. de C.V.</b> <b>Carretera Monterrey-Monclova, KM 14</b> <b>El Carmen, Nuevo León México. C.P. 66550</b> <b>Telephone contact: 52 (81) 8340-4759</b> <b>24-hour Emergency Phone: 52 (81) 8305-2000</b>

## 2. HAZARD IDENTIFICATION

- Hazard and Categories:**

Acute toxicity, Oral (Category 4), H335  
Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Specific target organ toxicity-single exposure (Category 3), Respiratory system, H335

Pictogram:



Word Warning:

**WARNING**

- Hazard statement(s):**

Harmful if swallowed.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.

- Precautionary Statement(s):**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Wear protective gloves.  
**If swallowed:** Call a poison center or doctor/physician if you feel unwell.  
Rinse mouth  
**If on skin:** Wash with plenty of soap and water.  
**If inhaled:** Remove person to fresh air and keep comfortable for breathing.  
Immediately call a poison center or doctor/physician if you feel unwell.  
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**If skin irritation occurs:** Get medical advice/attention.  
**If eye irritation persists:** Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of contents/container to an approved waste disposal plant  
Hazards not otherwise classified: None

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Formula	UN number	CAS number	Percent	Molecular weight:
Dense Potassium Carbonate	K <sub>2</sub> CO <sub>3</sub>	N.D.	584-08-7	100	138.21 g/mol

**Synonyms:** Raw potash, potassium salt, pearl ash

### 4. FIRST AID MEASURES

- **Inhalation:** Remove to fresh air, resuscitate if breathing stops, seek medical attention.
- **Skin Contact:** Immediately wash contaminated area with plenty of water.
- **Eyes Contact:** Immediately flush eyes with large amount of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface.
- **Ingestion:** If swallowed do not induce vomiting. Give large quantities of water or milk, never give anything by mouth to an unconscious person. Seek medical attention immediately.
- **Most important symptoms and effects, both acute and delayed:**  
The most important known symptoms and effects are described in the labeling (see section 2) and or in section 11.
- **Indication of any immediate medical attention and special treatment needed:**  
No data available.

### 5. FIREFIGHTING MEASURES

- **Suitable extinguishing media:**  
Use water spray, dry chemical or carbon dioxide.
- **Special hazards arising from the substance or mixture:**  
carbon oxides, potassium oxides.
- **Advice for firefighters:**  
Avoid inhalation, skin, eye contact with irritating dusts through use of appropriate full cover clothing and air purifying respirator, use a pressure demand, self contained breathing apparatus if large concentration are present in the atmosphere or if potassium carbonate is exposed to temperatures above 900 °c causing release of significant levels of co<sub>2</sub> ( asphyxia ).
- **Further information:**  
No data available.

### 6. ACCIDENTAL RELEASE MEASURES

- **Personal precautions, protective equipment and emergency procedures:**  
Use personal protective equipment. Avoid dust formation; avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- **Personal Equipments:** See section 8
- **Methods and materials for containment and cleaning up:**  
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers disposal.

### 7. HANDLING AND STORAGE

- **Handling Precautions:** Use personal protective equipment.
- **Conditions for storage:** Do not store outside in natural soil or under extreme heat, maintain proper packaging to prevent its deterioration. Keep away from heat and incompatible materials.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

- **Components with workplace control parameters:**  
Contains no substances with occupational exposure limit values.
- **Appropriate engineering controls:**  
Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and at the end of workday.
- **Personal protective equipment:**
  - Respiratory:**  
Use NIOSH/MSHA approved respirator following manufacturers recommendations.
  - Eye:**  
Face shield and goggles or chemical goggles should be worn.
  - Gloves:**  
gloves should be worn
  - Other clothing and equipment:**  
Standard work clothing, wash contaminated clothing with soap and water and dry before reuse, shower and eye wash facilities should be provided in all areas in which this product is handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

a) <b>Appearance:</b>	Powder
b) <b>Color:</b>	White
c) <b>Odor:</b>	Odorless
d) <b>Odour Threshold:</b>	No data available
e) <b>pH:</b>	0.02 Moles/Liter has pH 11.0
f) <b>Melting point:</b>	891 ° C (1636 F)
g) <b>Freezing point</b>	No data available
h) <b>Initial boiling point and boiling range:</b>	760 mmHg
i) <b>Flash point:</b>	No data available
j) <b>Evaporation rate:</b>	No data available
k) <b>Flammability (solid, gas)</b>	No data available
l) <b>Upper / lower flammability:</b>	No data available
m) <b>Vapor pressure:</b>	No data available
n) <b>Vapor Density:</b>	No data available
o) <b>Relative density:</b>	2.428 g/mL at 19 °C
p) <b>Water Solubility:</b>	Completely Soluble
q) <b>Coefficient octanol / water partition:</b>	No data available
r) <b>Auto-ignition temperature:</b>	No data available
s) <b>Decomposition temperature:</b>	No data available
t) <b>Viscosity:</b>	No data available
u) <b>Explosive properties:</b>	No data available
v) <b>Oxidizing properties:</b>	No data available

## 10. STABILITY AND REACTIVITY

- **Reactivity:**  
No data available
- **Chemical stability:**  
Stable under recommended storage conditions.
- **Possibility of hazardous reactions:**  
No data available
- **Conditions to avoid:**  
Exposure to moisture
- **Incompatible materials:**  
Acids, Strong oxidizing agents
- **Hazards decomposition products:**  
No data available

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

LD50 Oral:	1870 mg/kg (Rat.)
Inhalation:	> 4.96 mg/L (Rat)/4.5 hour
Dermal:	> 2000 mg/kg
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	This product is not classified as a carcinogen by NTP, IARC or OSHA.
Reproductive toxicity:	No data available
Specific target organ toxicity-single exposure:	No data available
Specific target organ toxicity-repeated exposure:	No data available
Aspiration hazard:	No data available.

**12. ECOLOGICAL INFORMATION**

- **Toxicity:**  
No data available
- **Persistence and degradability:**  
No data available
- **Bioaccumulative potential:**  
No data available
- **Mobility in soil:**  
No data available
- **Results of PBT and vPvB assessment:**  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- **Other adverse effects:**  
No data available.

**13. DISPOSAL CONSIDERATIONS**

**Waste from material:**  
Reuse or reprocess, if possible.  
Measure the pH of solution to determine disposal, restrictions.  
Dispose in accordance with applicable regulations.

**14. TRANSPORT INFORMATION**

<b>IMDG:</b>	Not dangerous goods
<b>US DOT 49 CFR 172.101</b>	
<b>UN:</b>	No data available
<b>Class:</b>	No data available
<b>Packing group:</b>	No data available
<b>Proper shipping name:</b>	Dense Potassium Carbonate
<b>Not regulated</b>	

**15. REGULATORY INFORMATION****SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313 Components**

This material does not contain any chemical components with non CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

**Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act

**Pennsylvania Right to Know Components**

Potassium Carbonate CAS-No. 584-08-7

**New Jersey Right to Know Components**

Potassium Carbonate CAS-No. 584-08-7

**California Prop. 65 Components**

This products does not contain any chemicals noun to State of California to causa cancer, birth defects, or any other reproductive harm.

**16. OTHER INFORMATION****NFPA classification**

**Health Hazard:** 2  
**Inflammability:** 0  
**Reactivity:** 0  
**Special:** None

**Expiration Date:** The product can keep their properties up to five years if kept stored under normal conditions, away from extreme temperatures and not exposing the environment to prevent degradation or contamination. The package also must be kept in good condition and away from extreme conditions to ensure the preservation of the product.

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All the information, recommendations and suggestions appearing here in concerning to our product are based up on test and data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his own use the product described herein, since the actual use by others is beyond our control, no guarantee, expressed or implied is made by Rot Quimica S.A. de C.V. as to the effects of such use, the results to be obtained, or the safety and toxicity of the product nor does. Rot Quimica S.A. de C.V. assumes any liability arising out of use by others of the product referred to herein, nor, the information herein has to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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