

AERCHEM INC.
320 North Walnut
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Telephone: 812.334.9996

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Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 1/3/97
Product Name: POTASSIUM BENZOATE
Chemical Formula: C₇H₅O₂K
CAS No.: 582-25-2

SECTION 2: HAZARDOUS INGREDIENTS:

Oral LD50 acute; 4000 mg/kg (rat)

SECTION 3: PHYSICAL DATA

Appearance and Odor:	solid
Molecular Weight:	160.21
Boiling point:(760 mm Hg)	decomposes
Vapor Pressure (mmHg):	n/a
Specific Gravity (Water=1):	n/a
Solubility in water:(by weight)	easily soluble in cold water
Melting Point:	n/a
Volatility:	n/a
Vapor Density:	n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	n/a
Flammable limit:	n/a
Extinguishing Media:	Use dry chemicals, carbon dioxide, water spray or foam on SMALL fires. Use water spray, fog or foam on LARGE fires - Do not use water jet.
Unusual Fire and Explosion Hazards:	n/a
Products of combustion:	carbon oxides
Flammability:	combustible

SECTION 5: REACTIVITY DATA

Stable Unstable

Conditions to Avoid:	none
Incompatibilities:	n/a
Hazardous Polymerization:	no
Degradation Products:	are more toxic than original

SECTION 6: HEALTH HAZARD DATA

Threshold Limit Value (TLV):	n/a
Permissible Exposure Limit:	n/a
Toxicity: Oral LD50 (rat):	acute: 4000 mg/kg
Effects on Humans:	Toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Slightly dangerous to

Route of Entry:

dangerous in case of eye contact (irritant), of
ingestion, of inhalation. Very slightly to slightly
dangerous in case of skin contact (irritant).
ingestion, inhalation

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SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

First Aid:

Eyes: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin: If chemical got onto clothes, remove clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge. Wash skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases, and groin. Cold water may be used. Cover irritated skin with emollient. If irritation persists, seek medical attention.

Inhalation: Allow victim to rest in a well ventilated area. Seek immediate medical attention.

Ingestion: Remove any dentures. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower head so that the vomit will not reenter the mouth and throat. Never give an unconscious person anything to ingest. Seek medical attention.

Spillage: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of to local and regional authority requirements.

Disposal: Recycle to process, if possible. Consult your local or regional authorities.

SECTION 8: PRECAUTION TO BE TAKEN IN HANDLING AND STORING

Other Precautions: Keep away from heat, sources of ignition, and strong oxidizing agents. Keep container dry and in cool place. Ground all equipment containing material. Do not ingest or dust. Avoid contact with eyes. Wear suitable protective clothing. Wear suitable respiratory equipment in case of insufficient ventilation.

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to keep levels below exposure limits. If operations generate dust, fume or mist, use ventilation to keep below exposure limit.

Eye Protection: Splash goggles

Protective Gloves:

Respiratory Protection: dust respirator

Section 10: TRANSPORT INFORMATION

DOT classification: not a DOT controlled material