



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: POTASSIUM CARBONATE SOLUTION
Page 1 of 3

MSDS Date: December 18, 2007
Emergency Contact: 1-800-424-9300

SECTION I

CHEMICAL NAME: Potassium Carbonate Solution
TRADE NAME: Carbonate of Potash
CHEMICAL FAMILY: Alkali
SYNONYMS: Pearl Ash, Potash-hydrated Potassium Carbonate in solution
FORMULA: K_2CO_3
DOT SHIPPING INFORMATION: Not DOT Regulated

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

HAZARDOUS MATERIAL	CAS NUMBER	w/w %	EXPOSURE LIMITS IN AIR
Potassium Carbonate	584-08-7	----	Not listed

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - PHYSICAL DATA

BOILING POINT (F): 234
SPECIFIC GRAVITY: Abt. 1.53
VAPOR PRESSURE (mm Hg): Slightly less than pure water
% VOLATILE, BY VOLUME: 53%
VAPOR DENSITY (air = 1): N/A
EVAPORATION RATE: Slightly less than pure water
SOLUBILITY IN WATER: Complete
APPEARANCE AND ODOR: Water white liquid with no odor.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: Non-combustible
FLAMMABLE LIMITS: Lel: N/A Uel: N/A
EXTINGUISHING MEDIA: Use media suitable for surrounding fire.
SPECIAL FIRE-FIGHTING PROCEDURES:
If carbon dioxide is released, use an approved self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: POTASSIUM CARBONATE SOLUTION
Page 2 of 3

High temperatures due to fire or mixing with acids can cause this material to decompose, releasing carbon dioxide gas.

SECTION V - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS OR MATERIALS TO AVOID: Excessive heat or contact with acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon dioxide is generated when reacted with acids. Large quantities of carbon dioxide in an enclosed area will result in lack of oxygen, and may cause suffocation of personnel.

SECTION VI - HEALTH HAZARD DATA

HMIS HAZARDOUS RATING: Health = 0 Flammability = 0 Reactivity = 0

Carcinogenic Listing:

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Contact: Causes mild irritation to skin. May cause injury to eyes.

Ingestion: Causes irritation to the digestive and respiratory tract.

STATEMENT OF PRACTICAL TREATMENT:

Contact: Wash exposed area thoroughly with water. For eyes, flush with cool water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: If conscious, drink plenty of water or fruit juice and get immediate medical attention.

SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Keep storage area separate from acids. IF THERE IS EVIDENCE OF PRODUCT DECOMPOSITION, atmospheric tests should be run for carbon dioxide and oxygen content. Excessive quantities of carbon dioxide can cause suffocation of personnel in the immediate area.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Confine the spill into a diked area or sump if possible, and recover as much of the Liquid Potassium Carbonate as possible. The remainder may normally be washed to the sewer providing Environmental



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: POTASSIUM CARBONATE SOLUTION
Page 3 of 3

Control Limits are not affected.

WASTE DISPOSAL METHOD: Reclaim and reuse as much as possible.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not required.

VENTILATION: Not required.

EYE PROTECTION: Goggles.

SKIN PROTECTION: Rubber or plastic gloves.

OTHER PROTECTIVE EQUIPMENT: As needed to prevent contact with skin or eyes.

ACGIH = American Conference of Governmental Industrial Hygienists

CL = Ceiling Level

IARC = International Agency for Research on Cancer: Monographs

OSHA = Occupational Safety and Health Administration

N/A = Not Applicable

NTP = National Toxicology Program: Annual Report on Carcinogens

PEL = Permissible Exposure Level (OSHA)

TLV = Threshold Limit Value (ACGIH)

TWA = Time Weighted Average over 8 Hours

STEL = Short Term Exposure Limit (ACGIH)

ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.