

MATERIAL SAFETY DATA SHEET

Westco Chemicals, Inc.  
11312 Hartland Street  
North Hollywood, California 91605  
(213) 877-0077  
(818) 980-1152

EMERGENCY CONTACT :  
CALL CHEMTREC : DAY OR NIGHT  
(800)424-9300

SUBSTANCE IDENTIFICATION

CAS NO ----- 584-08-7  
SUBSTANCE ----- POTASSIUM CARBONATE  
TRADE NAMES/SYNONYMS----- PATASH, PEARL ASH  
CHEMICAL FAMILY----- INORGANIC SALTS  
MOLECULAR FORMULA----- K2CO3  
HMIS  
HEALTH ----- 1  
FLAMMABILITY ----- 0  
REACTIVITY ----- 0  
PERSONAL PROTECTION - C  
MOLECULAR WT----- 138.21

COMPONENTS AND CONTAMINANTS

PERCENT----- POTASSIUM CARBONATE - 100.0%  
OTHER CONTAMINANTS ----- INERT SALTS - 0.0%  
EXPOSURE LIMITS ----- NK

PHYSICAL DATA

DESCRIPTION----- WHITE CRYSTALLINE POWDER  
VAPOR DENSITY ----- NA  
VAPOR PRESSURE----- NA  
EVAPORATION RATE ----- NA  
SOLUBILITY IN WATER ----- COMPLETE  
MELTING PT ----- 891 C  
BOILING PT ----- DECOMPOSES  
% VOLATILE ----- NA  
SPECIFIC GRAVITY ----- 2.428

HOW TO DETECT THIS SUBSTANCE : CHEMICAL ANALYSIS

FIRE AND EXPLOSION DATA

FLASH POINT----- NON-COMBUSTIBLE  
FIRE EXTINGUISHING MTRLS-- WATER, CO2,  
DRY CHEMICAL  
SPECIAL FIRE FIGHTING  
PROCEDURES - SELF CONTAINED BREATHING APPARATUS IN CONFINED AREA  
UNUSUAL FIRE AND  
EXPLOSION HAZARDS-- NONE  
FLAMMABLE LIMITS--- NA

## TRANSPORTATION DATA

DOT CLASSIFICATION ----- NR  
DOT LABEL----- NONE  
UN/NA NUMBER----- NK  
SPECIAL INSTRUCTIONS ----- NONE

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## TOXICITY

MODERATELY TOXIC AND IRRITATING  
ORAL LD/50 - 1870 MG/KG (RAT)  
FCC MATERIAL - GRAS

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## HEALTH EFFECTS AND FIRST AID

### INHALATION

ACUTE EXPOSURE----- DUST MAY CAUSE IRRITATION TO RESPIRATORY TRACT  
CHRONIC EXPOSURE----- NK  
FIRST AID----- REMOVE TO FRESH AIR

### SKIN CONTACT

ACUTE EXPOSURE----- MODERATE IRRITATION TO MOIST SKIN  
CHRONIC EXPOSURE----- NK  
FIRST AID----- WASH WITH SOAP AND WATER

### EYE CONTACT

ACUTE EXPOSURE----- SEVERE IRRITATION TO EYES AND MUCOUS MEMBRANES  
CHRONIC EXPOSURE----- NK  
FIRST AID----- FLUSH WITH WATER FOR 15 MINUTES. CALL AN OPHTHALMOLOGIST.

### INGESTION

ACUTE EXPOSURE----- MAY BE IRRITATING TO DIGESTIVE SYSTEM  
CHRONIC EXPOSURE----- NK  
FIRST AID----- DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF  
WATER OR MILK.

ANTIDOTE----- WATER

SUSPECTED CANCER AGENT NO

RECOMMENDATIONS TO A DOCTOR TREAT SYMPTOMATICALLY

## REACTIVITY DATA

STABILITY----- STABLE  
INCOMPATIBILITIES----- LIME DUST (CaO), ACIDS  
DECOMPOSITION PRODUCTS---- CO2 ABOVE 900 C  
HAZARDOUS POLYMERIZATION- WILL NOT OCCUR  
CONDITIONS TO AVOID----- NK

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## SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL----- SWEEP UP AND CONTAINERIZE.

WASTE DISPOSAL METHODS---- NOT A HAZARDOUS MATERIAL. TRANSPORT TO SANITARY FACILITY FOR DISPOSAL.

NOTE : DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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## SPECIAL HANDLING INFORMATION

VENTILATION----- LOCAL EXHAUST  
RESPIRATORY PROTECTION---- DUST MASK OR NIOSH RESPIRATOR  
CLOTHING----- STANDARD WORK CLOTHES  
GLOVES----- RUBBER  
EYE PROTECTION ----- SAFETY GOGGLES OR FACE SHIELD

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## ADDITIONAL INFORMATION

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NA=NOT APPLICABLE      ND=NOT DETERMINED      NK=NOT KNOWN