

LAB

-1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER.....: EM SCIENCE  
A DIVISION OF EM INDUSTRIES  
P.O. BOX 70  
480 DEMOCRAT RD.  
GIBBSTOWN, N.J. 08027

PREPARATION DATE.: 08/12/92  
DATE MSDS PRINTED.: OCT 01, 1992

INFORMATION PHONE NUMBER.: 609-354-9200  
HOURS: MON. TO FRI. 8:30-5  
CHEMTREC EMERGENCY NUMBER: 800-424-9300  
HOURS: 24 HRS A DAY

CATALOG NUMBER(S):  
PX1390 PX1391 PX1392

CHEMICAL NAME.....: POTASSIUM CARBONATE, ANHYDROUS  
TRADE NAME.....: POTASH, PEARL ASH  
CHEMICAL FAMILY...: INORGANIC SALT  
FORMULA.....: K<sub>2</sub>CO<sub>3</sub>

MOLECULAR WEIGHT.: 138.21

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS #	APPR %
POTASSIUM CARBONATE, ANHYDROUS	584-08-7	100%

-3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW  
CAUSES EYE BURNS.  
CAUSES SKIN IRRITATION.  
HARMFUL IF SWALLOWED.  
APPEARANCE.....: WHITE, ODORLESS  
GRANULES OR POWDER

POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)

SYMPTOMS OF EXPOSURE:  
HARMFUL IF SWALLOWED.

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CAUSES EYE BURNS.  
CAUSES SKIN IRRITATION.  
DUST INHALATION: IRRITATING TO NASAL AND UPPER RESPIRATORY  
PASSAGES.  
MEDICAL COND. AGGRAVATED BY EXPOSURE:  
DATA NOT AVAILABLE.  
ROUTES OF ENTRY.....:  
INHALATION, INGESTION  
CARCINOGENICITY.....:  
THE MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS CANCER CAUSING  
AGENT.

#### -4. FIRST AID MEASURES

EMERGENCY FIRST AID:  
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.  
SKIN: WASH THOROUGHLY WITH SOAP AND WATER.  
EYES: IMMEDIATELY FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15  
MINUTES.  
INHALATION: REMOVE TO FRESH AIR; GIVE ARTIFICIAL RESPIRATION IF  
BREATHING HAS STOPPED.  
INGESTION: DO NOT INDUCE VOMITING; IF CONSCIOUS, GIVE WATER  
FREELY AND GET MEDICAL ATTENTION.  
REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

#### -5. FIRE FIGHTING MEASURES

FLASH POINT (F).....: NONCOMBUSTIBLE  
FLAMMABLE LIMITS LEL (%): N/A  
FLAMMABLE LIMITS UEL (%): N/A  
EXTINGUISHING MEDIA.....:  
USE ANY SUITABLE FOR ADJACENT MATERIAL.  
FIRE FIGHTING PROCEDURES.:  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.  
FIRE & EXPLOSION HAZARDS.:  
NONE

#### 6. ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE:  
EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL.  
WEAR SUITABLE PROTECTIVE EQUIPMENT LISTED UNDER EXPOSURE /  
PERSONAL PROTECTION.  
ELIMINATE ANY IGNITION SOURCES UNTIL THE AREA IS DETERMINED TO BE  
FREE FROM EXPLOSION OR FIRE HAZARDS.  
CONTAIN THE RELEASE AND ELIMINATE ITS SOURCE, IF THIS CAN BE DONE

WITHOUT RISK.

TAKE UP AND CONTAINERIZE FOR PROPER DISPOSAL AS DESCRIBED UNDER DISPOSAL.

COMPLY WITH FEDERAL, STATE, AND LOCAL REGULATIONS ON REPORTING RELEASES. REFER TO REGULATORY INFORMATION FOR REPORTABLE QUANTITY AND OTHER REGULATORY DATA.

## -7. HANDLING AND STORAGE

### HANDLING & STORAGE:

KEEP CONTAINER TIGHTLY CLOSED.

DO NOT BREATHE DUST.

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

## -8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

VENTILATION, RESPIRATORY PROTECTION, PROTECTIVE CLOTHING, EYE PROTECTION MATERIAL SHOULD BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH ADEQUATE VENTILATION.

PROTECTIVE GLOVES SHOULD BE WORN TO PREVENT SKIN CONTACT (NEOPRENE OR EQUIVALENT)

SAFETY GLASSES WITH SIDE SHIELDS MUST BE WORN AT ALL TIMES.

### WORK / HYGENIC PRACTICES:

WASH THOROUGHLY AFTER HANDLING.

DO NOT TAKE INTERNALLY.

EYE WASH AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE.

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## EXPOSURE GUIDELINES

### OSHA - PEL:

COMPONENT	TWA		STEL		CL		SKIN
	PPM	MG/M3	PPM	MG/M3	PPM	MG/M3	

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POTASSIUM CARBONATE, ANHYDROUS

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ACGIH - TLV:

COMPONENT	PPM	TWA MG/M3	PPM	STEL MG/M3	PPM	CL MG/M3	SKIN
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POTASSIUM CARBONATE, ANHYDROUS

## 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (C 760 MMHG): DECOMPOSES  
MELTING POINT (C): 891C  
SPECIFIC GRAVITY (H2O = 1): 2.29  
VAPOR PRESSURE (MM HG): N/A 20C  
PERCENT VOLATILE BY VOL (%): N/A  
VAPOR DENSITY (AIR = 1): N/A  
EVAPORATION RATE (BUAC = 1): N/A  
SOLUBILITY IN WATER (%): SOLUBLE  
APPEARANCE: WHITE, ODORLESS  
GRANULES OR POWDER

## 10. STABILITY AND REACTIVITY

STABILITY: YES  
HAZARDOUS POLYMERIZATION:  
DOES NOT OCCUR

HAZARDOUS DECOMPOSITION: COX

CONDITIONS TO AVOID: MOISTURE, DUSTING, HEAT

MATERIALS TO AVOID:  
( ) WATER  
(X) ACIDS  
( ) BASES  
( ) CORROSIVES  
( ) OXIDIZERS  
( ) OTHER :

## 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:  
ORL-RAT LD50: 1870 MG/KG  
TOXICOLOGICAL FINDINGS:

NONE  
CITED IN REGISTRY OF TOXIC EFFECTS OF SUBSTANCES (RTECS)

## 12. DISPOSAL CONSIDERATIONS

EPA WASTE NUMBERS:  
TREATMENT:

MATERIAL DOES NOT HAVE AN EPA WASTE NUMBER AND IS NOT A LISTED WASTE, HOWEVER CONSULTATION WITH A PERMITTED WASTE DISPOSAL SITE (TSD) SHOULD BE ACCOMPLISHED.  
ALWAYS CONTACT A PERMITTED WASTE DISPOSER (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

## 13. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME...:  
NON-REGULATED  
DOT ID NUMBER.....: NONE

## 14. REGULATORY INFORMATION

TSCA INVENTORY.....:  
THE CAS NUMBER OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY.

COMPONENT	SARA EHS (302)	SARA EHS TPQ (LBS)	CERCLA RQ (LBS)
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POTASSIUM CARBONATE, ANHYDROUS			

COMPONENT	OSHA FLOOR LIST	SARA 313	DEMINIMIS FOR SARA 313 (%)
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POTASSIUM CARBONATE, ANHYDROUS			

## 15. OTHER INFORMATION

COMMENTS:

NONE

NFPA HAZARD RATINGS:

HEALTH : 2

FLAMMABILITY : 0

REACTIVITY : 0

SPECIAL HAZARDS:

REVISION HISTORY:

09/01/81 10/27/87 03/01/91

- = REVISED SECTION

N/A = NOT AVAILABLE

N/E = NONE ESTABLISHED

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