

GENERAL CHEMICAL CORPORATION -- POTASSIUM HYDROXIDE,PELLETS(VARIOUS GRADES) --
6810-00-234-8366

===== Product Identification =====

Product ID:POTASSIUM HYDROXIDE,PELLETS(VARIOUS GRADES)

MSDS Date:10/01/1986

FSC:6810

NIIN:00-234-8366

MSDS Number: BWFKT

== Responsible Party ==

Company Name:GENERAL CHEMICAL CORPORATION

Address:90 E HALSEY RD

Box:1829

City:MORRISTOWN

State:NJ

ZIP:07960-1829

Country:

US

Info Phone Num:201-455-5630

Emergency Phone Num:201-455-3700

CAGE:0AU44

== Contractor Identification ==

Company Name:GENERAL CHEMICAL CORPORATION

Address:90 EAST HALSEY ROAD

Box:City:PARSIPPANY

State:NJ

ZIP:07054

Country:US

Phone:973-515-1840

CAGE:0AU44

===== Composition/Information on Ingredients =====

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3

; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

LD50 LC50 Mixture:TLV IS 2MG/M3 CEILING

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:**CORROSIVE**EYES: MAY CAUSE IRRITATION

AND DAMAGE.SKIN: MAY CAUSE IRRITATION AND DAMAGE.INGEST: MAY CAUSE GI
TRACT IRRITATION.INHAL: MAY CAUSE RESPIRATORY IRRITATION.>200MG/M3
ARE IMMEDIATE

ELY DANGEROUS AND MAY CAUSE LUNG DAMAGE.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:INGEST:PAIN,DIFFICULT

BREATHING,VOMITING,DIARRHEA,COLLAPSE.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN,EYE
AND RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:SKIN:FLUSH UNDER DELUGE

SHOWER WHILE REMOVING CONTAMINATED

CLOTHING;WASH WITH WATER(UNTIL "SOAPY" FEEL IS GONE).EYES:SPEED IS
ESSENTIAL.CALL FOR MEDICAL HELP;FLUSH WITH WATER FOR 15
MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL
RESPIRATION IF NEEDED.INGEST:DO NOT INDUCE VOMITING.GET PROMPT
QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE MILK OR WATER;THEN
VINEGAR OR FRUIT JUICE.

===== Fire Fighting Measures =====

Flash Point:NONE

Extinguishing

Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:THIS MATERIAL WILL REACT WITH
METALS(AL,SN,ZN) TO RELEASE HYDROGEN GAS.MAY VAPORIZE IN A
FIRE;MOISTURE CONTACT MAY CAUSE ENOUGH HEAT TO IGNITE COMBUSTIBLES.

===== Accidental Release Measures =====

Spill Release Procedures:SHOVEL INTO AN APPROPRIATE

CONTAINER.NEUTRALIZE ANY MOI

STENED SPILL WITH ACETIC

ACID(PREFERRED) OR SODIUM BICARBONATE;SOAK UP WITH AN INERT ABSORBANT;PLACE IN A SUITABLE CONTAINER.WASH SPILL AREA WITH WATER TO REMOVE SLIPPERINESS;AVOID SEWER DISCHARG

Neutralizing Agent:ACETIC ACID IS PREFERRED.SODIUM BICARBONATE MAY BE USED.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.KEEP CONTAINER CLOSED WHEN NOT IN USE.SEPERATE FROM MOISTURE, INCOMPATIBLE MATERIALS AND COMBUSTIBLES.

Other Precautions:THIS ITEM SHOULD BE HANDLED ONLY BY TRAINED PERSONNEL.FOLLOW LABEL DIRECTIONS.AVOID BREATHING VAPORS.AVOID SKIN AND EYE CONTACT.DO NOT STORE THIS ITEM IN CONTAINERS MADE OF FE,SN,AL,ZN METALS OR THEIR ALLOYS.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE EITHER A SELF-CONTAINED BREATHING APPARATUS OR

A NOISH/MSHA APPROVED RESPIRATOR FOR CORROSIVE GAS,DEPENDING ON THE AIRBORN CONCENTRAT ION.

Ventilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:RUBBER,NEOPRENE.

Eye Protection:CHEMICAL SPLASH GOGGLES.AVOID CONTACTS.

Other Protective Equipment:PROTECTIVE CLOTHING,AS NEEDED.PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET CLOTHES.LAUNDER WORK CLOT

HES BEFORE REUSE.KEEP FOOD OUT OF THE WORK AREA.

Supplemental Safety and Health

NONE

===== Physical/Chemical Properties =====

HCC:B1

Boiling Pt:=1320.C, 2408.F

Melt/Freeze Pt:=360.C, 680.F

Spec Gravity:2.044

pH:13.5

Evaporation Rate & Reference:NEGLIGIBLE

Solubility in Water:APPRECIABLE

Appearance and Odor:PELLETS;WHITE;ODORLESS.THIS ITEM ABSORBS WATER.

Percent Volatiles by Volume:NEGLIG

===== Stability and Reactivity Data =====

S

tability Indicator/Materials to Avoid: YES

METALS(AL,SN,ZN),ACIDS AND THEIR ANHYDRIDES,EASILY OXIDIZABLE

CMPDS(EXPLOSIVES,ALDEHYDES,NITRO AND CHLOROCARBONS).

Stability Condition to Avoid: MOISTURE,PROLONGED EXPOSURE TO AIR.

Hazardous Decomposition Products: CONTACT WITH METALS MAY GENERATE

H₂.REACTS WITH CO₂ TO FORM POTASSIUM CARBONATE.

===== Disposal Considerations =====

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND

LOCAL REG

ULATIONS.RCRA CODE IS D002(CORROSIVE).

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.