

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 IMMEDIAT  
ELY DANGEROUS A ND 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 DELU  
GE 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:REMO VE 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.

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===== 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.

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===== 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

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===== 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

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===== 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  
H<sub>2</sub>. REACTS WITH CO<sub>2</sub> TO FORM POTASSIUM CARBONATE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS. RCRA CODE IS D002 (CORROSIVE).

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