

CALLERY CHEMICAL CO DIV MINE SAFETY APPLIANCES CO -- POTASSIUM SUPEROXIDE --  
4130-00-908-0452

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

Product ID:POTASSIUM SUPEROXIDE

MSDS Date:11/15/1985

FSC:4130

NIIN:00-908-0452

MSDS Number: BQKJM

=== Responsible Party ===

Company Name:CALLERY CHEMICAL CO DIV MINE SAFETY APPLIANCES CO

Box:429

City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Info Phone Num:412-538-3510

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CAGE:0HJN2

=== Contractor Identification ===

Company Name:CALLERY CHEMICAL CO DIV MINE SAFETY APPLIANCES CO

Box:City:PITTSBURGH

State:PA

ZIP:15230

Country:US

Phone:412-538-3510

CAGE:0HJN2

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

Ingred Name:POTASSIUM DIOXIDE

CAS:12030-88-5

RTECS #:TT6053000

Fraction by Wt: 100%

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

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

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

Health Hazards Acute and Chronic:SKIN: CORROSIVE, DESTRUCTION, SKIN MAY  
TURN RED OR BLACK, ITCHING, & BURNING SENSATION. EYES: CORROSIVE.  
INHALATION: CORROSIVE TO MUCOUS MEMBRANES OF NOSE & THROAT.

Explanation of Carcinogenicity:NONE

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

First Aid:CAUSES CAUSTIC BURNS EYES: FLUSH W/PLENTY OF WATER FOR AT  
LEAST 15 MINS, HOLDING LID OPEN. SKIN: FLUSH W/PLENTY OF WAT  
ER FOR  
15 MINS. INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE  
ARTIFIC IAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH. IF BREATHING IS  
DIFFICULT, GIVE OXYGEN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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

Extinguishing Media:SINCE POTASSIUM SUPEROXIDE DOESN'T BURN, USE PROPER  
EXTINGUISHER FOR OTHER MATERIALS INVOLVED IN FIRE.

Fire Fighting Procedures:WEAR PRESSURE DEMAND SELF-CONTAINED BREATHING  
APPARATUS

W/FULL FACEPIECE & FULL PROTECTIVE CLOTHING. PROTECT  
AGAINST CAUSTIC SMOKE & WATERS.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. COLLECT IN  
UNPAINTED ALL-METAL CONTAINER & COVER LOOSELY. TRANSPORT  
IMMEDIATELY TO CHEMICAL DISPOSAL AREA FOR DISPOSAL BY TRAINED  
PERSONNEL.

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

Handling and Storage Precautions:STORE IN CLOSED CONTAINER IN COOL  
, DRY

PLACE AWAY FROM COMBUSTIBLES. USE W/ADEQUATE VENTILATION. AVOID  
BREATHING DUST. AVOID CAUSTIC MIST/SOLUTION.

Other Precautions:DON'T GET IN EYES, SKIN OR ON CLOTHING.

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

Respiratory Protection:USE NIOSH/MSHA APPROVED FILTER-TYPE RESPIRATOR

Ventilation:ADEQUATE

Protective Gloves:CHEMICAL RESISTANT, NEOPRENE, VINYL

Eye Protection:CHEMICAL GOGGLES, FACEHSHIELD

Other Protective Equipment:WATER IMPERVIOUS CLOTHING, RUBBE

R GLOVES,  
RUBBER BOOTS, EYE WASH STATION & SHOWERS  
Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES  
BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health

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

Solubility in Water:REACTS VIGOUROUSLY  
Appearance and Odor:CANARY YELLOW SOLID, EITHER FINE POWDER OR GRANULES  
W/NO ODOR

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

Stability Indicator/Materials  
to Avoid:YES  
STRONG OXIDIZERS, ORGANICS INCLUDING FUELS, SOLVENTS, GREASES, &  
LUBRICANTS  
Stability Condition to Avoid:WATER

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

Waste Disposal Methods:IN WELL-VENTILATED AREA (HOOD W/SCRUBBER  
PREFERRED), SPRAY W/PLENTY OF WATER. FOAMING WILL OCCUR & OXYGEN  
GAS & CAUSTIC MIST WILL BE GENERATED. NEUTRALIZE SOLUTION BEFORE  
DISPOSAL. DISPOSE IN ACCORDANCE W/FEDERAL, STATE, & LOCAL  
REGULATIONS.

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