

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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