

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

Em

ergency Phone Num:412-538-3510

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

S

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 WATER FOR 15 MINS. INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL 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, RUBBER

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 VIGOROUSLY  
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.

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.