

FISHER SCIENTIFIC, CHEMICAL DIV. -- BARIUM CHLORIDE DIHYDRATE -- 6810-00-237-2922

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

Product ID:BARIUM CHLORIDE DIHYDRATE

MSDS Date:09/22/1992

FSC:6810

NIIN:00-237-2922

MSDS Number: BDLYB

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410-2803

Country:US

Info Phone Num:201-796-7100 OR 201-

796-7523

Emergency Phone Num:201-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO

Address:2000 PARK LN

Box:City:PITTSBURGH

State:PA

ZIP:15275

Country:US

Phone:412-490-8586

CAGE:22527

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

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

Ingred Name:BARIUM CHLORI

DE
CAS:10361-37-2
RTECS #:CQ8750000
Fraction by Wt: 100%
Other REC Limits:NONE SPECIFIED BY M.
OSHA PEL:0.5 MG/M3 (BA)
ACGIH TLV:0.5 MG/M3 (BA); 8990

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

LD50 LC50 Mixture:ORAL RAT LD50 = 118 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES & SKIN AND
RESPIRATORY TRACT. TOXIC BY INGESTION, 0.8 GRAM MAY
BE FATAL.
CHRONIC:DERMATITIS, CONJUNCTIVITIS, MAY EFFECT KIDNEYS,
CARDIOVASCULAR AND CNS SYSTEM .
Effects of Overexposure:INHALATION:SOAR THROAT, COUGHING AND LABORED
BREATHONG. SKIN:IRRITATION. EYE:IRITIS. INGESTION:NAUSEA, VOMITING
AND DIARRHEA, EXCESSIVE SALIVATION, BLURRED VISION AND HYPOKALEMIA
Medical Cond Aggravated by Exposure:SKIN, CARDIOVASCULAR AND
RESPIRATORY DISEASES.

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

First Aid:EYES:FLUSH THORO
UGHLY WITH WATER;GET MEDICAL ATTENTION.
SKIN:WASH WITH SOAP & WATER;GET MEDICAL HELP. INHALATION:REMOVE TO
FRESH AIR;SEEK MEDICAL ATTENTION. INGESTION:DRINK 1 OR 2 GLASSES OF
WATER & I NDUCE VOMITING IF CONSCIOUS;SEEK MEDICAL ATTENTION AT
ONCE.

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

Flash Point:NONE
Extinguishing Media:USE SUITABLE MEDIA FOR SURROUNDING FIRES.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR PROTECTIVE CLOTHING
AND SELF-CONTA
INED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:MAY BURN BUT DOES IGNITE READILY.
CONTAINER MAY EXPLODE IN HEAT OF FIRE. DIKE FIRE-CONTROL WATER FOR
LATER DISPOSAL.

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

Spill Release Procedures:ISOLATE ARES. USE PROPER PERSONAL PROTECTION;
VACUUM UP DRY POWDER & CONTAINERIZE FOR PROPER DISPOSAL. FOR
SOLUTIONS OF BARIUM CHLORIDE, ABSORB IN INERT MATERIAL AND PLACE IN
CONTAINERS FOR LATER DISP OSAL.

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE.KEEP
CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR FOR DUST IF ABOVE
TLV/PEL.USE ONLY WITH AN ADEQUATE VENTILATION.

Ventilation:LOCAL/GENERAL TO MAINTAIN TLV/PEL

Protective Gloves:PVC

Eye Protection:SAFETY GOGGLES

Other Protective Equipment:FULL SKI

N & EYE PROTECTION;EYE-WASH,APRON

Work Hygienic Practices:AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE
DUST.WASH THOROUGHLY AFTER EACH USE.

Supplemental Safety and Health

THE ATTENDING PHYSICIAN SHOULD BE ALERTED TO THE FACT THAT IN ACUTE
BARIUM POISONING,A CONSTANT FINDING IS A RAPID DECREASE IN
SERUM-POTASSIUM LEVEL.REFERENCES INDICATE THE IMPORTANCE OF
INFUSION OF P OTASSIUM IN ORDER TO BALANCE THIS DECREASE.

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

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HCC:T4

Boiling Pt:=1560.C, 2840.F

Melt/Freeze Pt:=962.8C, #####F

Spec Gravity:3.097

Solubility in Water:SOLUBLE (58.7%)

Appearance and Odor:WHITE CRYSTALS,GRANULES,OR POWDER,ODORLESS

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

BROMINE TRIFLUORIDE(REACTS VIOLENTLY),2-FURAN PERCARBOXYLIC
ACID(EXPLOSIVE REACTION), ORGANIC MATTER.

Stability Condition to Avoid:HIGH TEMPERATURES.

Hazardous De

composition Products:TOXIC AND HAZARDOUS BARIUM OXIDE, AND
CORROSIVE HYDROCHLORIC ACID.

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

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH
LOCAL,STATE AND FEDERAL REGULATIONS.

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