

POTASSIUM BROMATE

MSDS Number

BCSVJ

National Stock Number

6810-00N009595

Product Name

POTASSIUM BROMATE

Manufacturer

MALLINCKRODT INC SCIENCE PRODUCTS DIV

Product Identification

Product ID:POTASSIUM BROMATE

MSDS Date:08/09/1985

FSC:6810

NIIN:00N009595

MSDS Number: BCSVJ

Responsible Party

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION

PARIS BYPASS

PARIS , KY 40361

US

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Cage: 62910

Contractor

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

Ingredients

POTASSIUM BROMATE

CAS: 7758-01-2

RTECS: EF8725000

Fraction By Weight: Fraction by Wt

OSHA PELOSHA PEL

ACGIH TLV: ACGIH TLV

Hazards

LD50 LC50 Mixture:N/K

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

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

Health Hazards Acute and Chronic:INHAL:IRRIT TO UP RESP TRACT,COUGH & SHORT OF BREATH.INGEST:NAUSEA,VOMIT,DIARRHEA.ABD PAIN.REDU URINE OUTPUT.LOW

BP.METHEMOGLOBINEMIA,CONVULSION.LIVER&KIDNEDAMAGE,COMA,CYANOSIS MAY OCCUR AS LATER SYMP TOM.DEATH MAY OCCUR FROM RENAL FAILURE W/IN 1 TO 2 WKS.EST.LETHAL DOSE 1GM.EYE:IRRIT/CORNEAL

DAMAGE.CHRONIC:LIVER/KIDNEY
Effects of Overexposure:SEE HEALTH HAZARDS(ACUTE & CHRONIC)
Medical Cond Aggravated by Exposure:PERSONS W/ PRE-EXISTING SKIN
DISORDERS OR EYE PROBLEMS OR IMPARED LIVER,KIDNEY OR RESPIRATORY
FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF SUBSTANCE.

First Aid

First Aid:INHAL:REMOVE TO FRESH AIR.GET MED ATT FOR ANY BREATH
DIFFICULTY.INGEST:INDUCE VOMITING IMMED.GIVE TWO GLASSES OF H*2O &
STICKING FINGER DOWN THROAT.NEVER GIVE ANYTHING BY MOUTH TO AN
UNCONSCIOUS PERSON.CALL PHYS.SKIN:WASH EXPOSED AREA W/SOAP &
H*2O.GET MED ADVICE IF IRRIT DEVELOPS.EYE:WASH EYE W/ PLENTY OF
H*2O FOR AT LEAST 15 MIN.LIFT LOWER & UPPER EYELIDS
OCCASIONALLY.GET MED ATT IMMED.

Fire Fighting

Flash Point:
Lower Limits:
Upper Limits:
Extinguishing Media:USE ANY MEANS SUITABLE FOR EXTINGUISHING
SURROUNDING FIRE.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED
SCBA W/FULL FACEPIECE OPERATED IN PRESS DEMAND OR OTHER POS.PRESS
MODE.H*2O SPRAY KEEP FIRE EXPOS CONTR COOL.
Unusual Fire/Explosion Hazard:NOT COMBUSTIBLE IS A STRONG OXIDIZER.HEAT
OF REACTION W/ REDUC AGENT/COMBUST MAY CAUSE IGNITION.CONTACT W/
OXIDIZABLE SUBS.CAUSE EXTREME VIOLENT COMBUSTION.

Accidental Release

Spill Release Procedures:VENT AREA.CLEAN UP PERSONNEL MAY REQUIRE RESP
PROTECTION FROM DUST. SPILLS: SWEEP UP & CONTAINERIZE FOR
RECLAMATION OR DISPOSAL. VACUUMING OR WET SWEEPING MAY BE USED TO
AVOID DUST DISPOSAL.
Neutralizing Agent:N/K

Handling

Handling and Storage Precautions:KEEP IN A TIGHTLY CLOSED CONTR STORE
IN A COOL,DRY VENT AREA.PROT AGAINST PHYSICAL DAMAGE.SEPARATE FROM
COMBUSTIBLE,ORGANIC OR OTHER OXIDIZABLE MAT.
Other Precautions:N/K

Exposure Controls

Respiratory Protection:NIOSH APPROVED.COND OF USE WHERE EXPOS TO DUST
IS APPARENT DUST/MIST RESP MAY BE WORN FOR EMERGENCIES A SCBA MAY
BE USED.
Ventilation:LOCAL EXHAUST WHICH CAPTURE THE CONTAM AT ITS SOURCE IS
RECOMMENDED.PREVENT DISPERSION INTO THE WORK PLACE.
Protective Gloves:WEAR PROTECTIVE GLOVES.
Eye Protection:CHEMICAL SAFETY GOGGLES.
Other Protective Equipment:CLEAN BODY-COVERING CLOTHING
Work Hygienic Practices:OBSERVE GOOD WORK HYGIENIC PRACTICES.
Supplemental Safety and Health
SOL IN H*2O:20C.MAT TO AVOID:PHOSPHONIUM IODINE,PHOSPHORUS,LEAD
ACETATE,SELENIUM & SULFUR.HLTH HAZ(ACUTE/CHRONIC)DAMAGE.

Chemical Properties

HCC:D1
Boiling Pt:B.P. Text:698F, 370C
Melt/Freeze Pt:M.P/F.P Text:662F 350C
Decomp Temp:Decomp Text:
Vapor Pres:NO INFO
Vapor Density:NO INFO
Spec Gravity:3.27
pH:
Evaporation Rate & Reference:NO INFO FOUND
Solubility in Water:8G1100G H*2O AT68F
Appearance and Odor:WHITE POWDER OR GRANULES ODORLESS

Percent Volatiles by Volume:

Corrosion Rate:

Stability

Stability Indicator/Materials to Avoid: YES

ACIDS, REDUCING AGENTS, ORGANIC MAT, AL, ARSENIC, CALCIUM

HYDRIDE, CARBON, COPPER, POWDER METALS, METAL SULFIDES (SEE SUP DATA)

Stability Condition to Avoid:

Hazardous Decomposition Products: EMITS OXYGEN & TOXIC FUMES OF BROMINE
WHEN HEATED TO DECOMPOSITION.

Disposal

Waste Disposal Methods: WHATEVER CANNOT BE SAVED FOR RECLAMATION MAY BE
DELIVERED TO AN APPROVED WASTE DISPOSAL FACILITY. ENSURE COMPLIANCE
W/ LOCAL, STATE & FED REGS.

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