View NSN Online: https://aerobasegroup.kr/nsn/6810-00-261-9235

Product ID:BROMINE, CAT #0441 MSDS Date:01/01/1987 FSC:6810 NIIN:00-261-9235 **MSDS Number: BDPSN** === Responsible Party === Company Name: MALLINCKRODT INC., SCIENCE PRODUCTS DIVISION Address: PARIS BYPASS Box:M City:PARIS State:KY ZIP:40361 Country:US Info Phone Num:314-982-5000 Emer gency Phone Num:314-982-5000 CAGE:62910 === Contractor Identification === Company Name: MALLINCKRODT SPECIALTY CHEMICALS CO Address:222 RED SCHOOL LANE Box:City:PHILLIPSBURG State:NJ ZIP:08865 Country:US Phone:908-859-2151 CAGE:62910 Ingred Name: BROMINE (SARA III) CAS:7726-95-6 RTECS #:EF9100000 Fraction by Wt: >98% OSHA PEL:0.1PPM/0.3 STEL ACGIH TLV:O.1PPM/0.3 STEL;9192 ======== Hazards Identification =======

Effects of Overexposure:INH:LIQ/VAP CORR TO BODY TISSUES;ING:CORR/VOMITG,SORE THROAT;SKIN/EYES:CORR.CAUSES PAIN,BLRRD VISION

First Aid:INHAL:RMV TO FRESH AIR.IF NEEDED,GIVE CPR/OXYGEN.GET MD;INGEST:GIVE SEVRL GL OF WATER.DO NOT INDUCE VOMITG.IMMED GET MD;SKIN:FLUSH W/LG QTY OF H*20 FOR 15 MIN.REMV CONTMNTD CLOTHES.GET MD;EYES:IMMED F LUSH W/PLENTY OF H*20 FOR AT LEAST 15 MIN.GET MD.

=====

Flash Point:NONE

Extinguishing Media:EXTINQUISH W. AGENT SUITABLE FOR SURROUNDING FIRE. Fire Fighting Procedures:WEAR SELF-CNTD BRTHG,APP H*20 SPRAY TO COOL CONTR.

Unusual Fire/Explosion Hazard:NOT CONSDRD AS EXPLSN HAZARD;FUMES ARE EMITD WHEN HEATD.VAP CAN FLOW ALONG SURFCS TO LYING AREAS.

Spill Release Procedures:ESTABLSH PLAN/TRNG FOR EMERGY.KEEP UP

WIND.VENT/EVAC AREA.USE PROTCTV CLOTHG/RESP EQUIP.CONTAIN/RECVR SPILLS IF POSS.NEUTRLZ SM SPILLS W/NA*2S*2O*3 SOLN.DIKE LG SPILL W/SAND.SPRAY WATER TO 1 INCH.CAREF ULLY,NEUTRLZ VAP IN AIR W/ANHYD NH*3(SEEDISPOSL)*

Handling and Storage Precautions:KEEP IN TIGHTLY CLOSED CONTNRS AT COOL,DRY,VENTILATED PLACE.PROTECT AGAINST PHY DAMAGE.KEEP ABOVE 20F TO AVOID FREEZING BUT AVOID HEATG ABOVE ATM TEMP Other Precau tions:AVOID BREATHING MIST.USE W/ADEQUATE VENTILATION.KEEP

CONTAINRS CLOSED.WASH THOROUGHLY AFTER HANDLING.AVOID SKIN,EYES & CLOTHING CONTACT.**NOTE:ALLOW ONLY QUALIFIED PERSONS TO WORK W/BROMINE.

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

Respiratory Protection:SUPPLIED AIR RESPIR/SCBA; ESCAPE: GAS MASK Ventilation:LOCAL EXHAUST TO MAINTN BELOW TLV. Protective Gloves:IMPERVIOUS Eye Protection:GOGGLES/FACE SHIELD Other Protective Equipment:FULL PROTECTIVE C LOTHING, SAFETY SHOWER, EYE WASH STATION Supplemental Safety and Health MSDS FROM MFR DATED:1 AUG 85 CONFORMS TO OSHA HAZ COMM STD; REACTS W/WATER OR STEAM TO PRODUCE FUMES OF HYPOBROMOUSACID & HYDROGEN BROMIDE:

HCC:C1 Boiling Pt:B.P. Text:58C(136F) Vapor Pres:175 Vapor Density:5.5 Spec Gravity:3.1 Solubility in Water:MODERATE Appearance and Odor:DARK,REDDISH-BROWN FUMING LIQUID W/PUNGENT ODOR

Stability Indicator/Materials to Avoid:YES WATER,REDUCING AGENTS,FLAMM MATL,HG,TI,&AL. Hazardous Decomposition Products:EMITS FUMES OF BROMINE & BROMIDES UPON THRML DECOMPOSITION.

Waste Disposal Methods:*NEUTRLZ LIQ BROMINE W/SOLNS OF POT CARBONATE,SOD CARBONATE OR SOD BICARBONATE.COLLECT OR FLUSH TO SUMP FOR DISPOSAL; DISPOSAL:NEUTRALIZED WASTE MAY BE CONTNRZD & DISPO SD

IN AN APPRVD WASTE DISPOSAL F ACILITY I/A/W LOC,ST,FED REGS;SALVAGE BROMIN WASTE

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 an

d

assume responsibility for the suitability of this information to their particular situation.