

DIPHENYLCARBAZONE-BROMOPHENOL BLUE INDICATO

MSDS Number

BLSKY

National Stock Number

6810-00N022470

Product Name

DIPHENYLCARBAZONE-BROMOPHENOL BLUE INDICATO

Manufacturer

MALLINCKRODT

Product Identification

Product ID:DIPHENYLCARBAZONE-BROMOPHENOL BLUE INDICATO

MSDS Date:10/21/1987

FSC:6810

NIIN:00N022470

MSDS Number: BLSKY

Responsible Party

MALLINCKRODT

PARIS , KY 40361

US

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Cage: ZA916

Contractor

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

Ingredients

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

RECLAMATION WHEN POSS. LARGER SPILLS & LOT

RTECS: 9999999ZZ

RCRA APPRVD COMBUST CHAMBER/ABSORBED W/VERMICULITE,

RTECS: 9999999ZZ

FROM HEAT, SPKS & FLAME. KEEP CNTNR CLSD. USE

RTECS: 9999999ZZ

BECAUSE IT CAN CONTROL EMISSIONS OF CONTAM @ ITS

RTECS: 9999999ZZ

PLEASE REFER TO ACGIH DOCUMENT, "INDUS VENT, MANUAL

RTECS: 9999999ZZ

QUICK-DRENCH FACILITIES IN WORK AREA.

RTECS: 9999999ZZ

Hazards

LD50 LC50 Mixture:LD50:ORAL(RAT)5840 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:INHAL:MAY CAUSE IRRIT OF NOSE & THROAT. EXPOS TO HIGH CONC HAS NARC EFT, PRODUCING SYMPS OF DROW, HDCH, STAG, UNCON & POSS DEATH. INGEST:MAY CAUSE DROW, UNCON & DEATH. GI PAIN, CRAMPS, NAUS, VOM IT & DIARR MAY ALSO RESULT. SINGLE LETHAL DOSE FOR HUMAN ADULT = ABOUT 250 MLS. SKIN CONTACT:HAS DEFAT (EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT
Effects of Overexposure:HLTH HAZ:ACTION THAT CAN CAUSE IRRIT. MAY CAUSE IRRIT W/STINGING EFT & BURNING SENSATION. EYE CONTACT:VAPS MAY IRRITATE EYES. SPLASHES MAY CAUSE SEVERE IRRIT, POSS CORNEAL BURNS & EYE DMG. CHRONIC:PRL NG CONTACT W/SKIN MAY CAUSE MILD IRRIT,DRYING, CRACKING/CONTACT DERM MAY DEVELOP.
Medical Cond Aggravated by Exposure:PERSONS W/PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO EFTS OF SUBSTANCE.

First Aid

First Aid:INHAL:REMOVE TO FRESH AIR. IF NOT BRTHG, GIVE ARTF RESP. IF BRTHG IS DFCLT, GIVE O*2. CALL MD. INGEST:GIVE H*2O TO DRINK. INDUCE VOMIT IF MED HELP IS NOT IMMED AVAIL. NEVER GIVE ANYTHING BY MOUTH TO U NCON PERS. GET MD IMMED. SKIN:REMOVE ANY CONTAM CLTHG. WASH W/SOAP OR MILD DETERGENT & H*2O FOR @ LST 15 MIN. GET MD IF IRRIT DEVELOPS/PERSISTS. EYE:WASH W/PLENTY OF H*2O FOR @ LST 15 MIN, (SUPP DATA)

Fire Fighting

Flash Point Method:CC
Flash Point:53.6F,12.0C
Lower Limits:2%
Upper Limits:12%
Extinguishing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM OR CO*2. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPRVD PRESS DEMAND SCBA & FULL PROT EQUIP . H*2O MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOS & TO DILUTE SPILLS TO NON-FLAMM (SUPP DATA)
Unusual Fire/Explosion Hazard:ABOVE FLASH POINT, VAP-AIR MIXTS ARE EXPLO W/IN FLAMM LIMITS NOTED. CONTACT W/STRONG OXIDIZERS MAY CAUSE FIRE OF EXPLOSION.

Accidental Release

Spill Release Procedures:REMOVE ALL SOURCES OF IGNIT. VENT AREA OF LEAK/SPILL. CLEAN-UP PERS REQ PROT CLTHG & RESP PROT FROM VAPS. SM SPILLS MAY BE ABSORBED ON PAPER TOWELS & EVAP IN FUME HOOD. ALLOW ENOUGH TIME FOR FUMES TO CLEAR HOOD. CONTAIN & RECOVER LIQ FOR (SEE ING 2)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions: PROTECT AGAINST PHYSICAL DMG. STORE IN COOL, DRY WELL-VENTED LOCATION, AWAY FROM ANY AREA WHERE FIRE HAZ MAY BE ACUTE. OUTSIDE/DETACHED STOR IS PREF.

Other Precautions: SEPARATE FROM OXIDIZING MATLS. CNTNRS SHOULD BE BONDED & GROUNDED FOR TRANSFERS TO AVOID STATIC SPKS. STOR & USE AREAS SHOULD BE NO SMOKING AREAS. USE NON-SPKING TYPE TOOLS & EQUIP. FLAMM LIQ, HARMFUL IF SWALLOWED/INHALED. KEEP AWAY (ING 4)

Exposure Controls

Respiratory Protection: IF TLV IS EXCEEDED A NIOSH/MSHA APPRVD FULL FACEPIECE CHEM CARTRIDGE RESP MAY BE WORN, IN GEN, UP TO MAX USE CONC SPECIFIED BY RESP SUPPLIER. ALTERNATIVELY, A NIOSH/MSHA APPRVD SUPPLIED AIR FULL FACEP IECE RESP/AIRLINED HOOD MAY BE WORN.

Ventilation: LOC &/OR GEN EXHST IF RECOM TO KEEP EMPLOYEE EXPOS BELOW AIRBORNE EXPOS LIMITS. LOC EXHST VENT IS GENERALLY PREF (ING 5)

Protective Gloves: IMPERVIOUS GLOVES.

Eye Protection: CHEM WORK GOGG/FULL LENGTH FCSHLD.

Other Protective Equipment: WEAR IMPERVIOUS PROT CLTHG, INCL BOOTS, LAB COAT, APRON/COVERALLS TO PVNT SKIN CNTCT. MAINT EYE WASH FOUNTAIN & (ING 7)

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING W/THIS MATERIAL.

Supplemental Safety and Health

FIRE FIGHT PROC: MIXTS. VAPS CAN FLOW ALONG SURFS TO DIST IGNIT SOURCE & FLASH BACK. MATLS TO AVOID: SULFURIC ACID COMBINATION, POTASSIUM TERT-BUTOXIDE, HYPOCHLOROUS ACID, ISOCYANATES, NITROFORM, PHOSGE NE, OLEUM & PERCHLORIC ACID. FIRST AID PROC: LIFTING LOWER & UPPER EYELIDS OCCAS. GET MD IMMED.

Chemical Properties

Boiling Pt: B.P. Text: 180F, 82C

Melt/Freeze Pt: M.P/F.P Text: -128F, -89C

Vapor Pres: 33 @ 20C

Vapor Density: 2.1

Spec Gravity: 0.79

Solubility in Water: INFINITELY SOLUBLE

Appearance and Odor: CLEAR, REDDISH PURPLE SOLUTION.

Stability

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZERS, ACETALDEHYDE, CHLORINE, ETHYLENE OXIDE, HYDROGEN-PALLADIUM COMBINATION, HYDROGEN PEROXIDE- (SUPP DATA)

Stability Condition to Avoid: HEAT, FLAME & SUNLIGHT CAN CONTRIBUTE TO INSTABILITY.

Hazardous Decomposition Products: TOXIC GASES & VAPORS SUCH AS CO MAY BE RELEASED IN FIRE INVOLVING ISOPROPYL ALCOHOL.

Disposal

Waste Disposal Methods: DISPOSE AS HAZARDOUS WASTE IN RCRA APPROVED FACILITY. ENSURE COMPLIANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

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