

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-227/22781-23-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
22781-23-3

**Code:**  
M

**RTECS:**  
FC1140000

**Code:**  
M

**Name:**  
BENDIOCARB

**Other REC Limits:**  
N/P

**OSHA PEL:**  
N/P

**Code:**

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.2 MG/CUM

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
SUITABLE DUST RESPIRATOR/DUST MASK

**Ventilation:**  
USE IN ADEQUATELY VENTILATED AREA.

**Protective Gloves:**  
PVC

**Eye Protection:**  
CHEM GOGGLES/FACE SHIELD

**Other Protective Equipment:**  
Equipment N/K

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
MSDS DATE: 06/04/86. CHOLINESTERASE INHIBITOR. OVEREXPOSURE GIVE 2 MG ATROPINE SULFATE, REPEAT AS NECESSARY UNTIL FULLY ATPINIZED. MORPHINE CONTRAINDICATED.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
N/P

**Skin:**  
N/P

**Ingestion:**  
N/P

**Carcinogenicity Inds - NTP:**  
N/P

**IARC:**  
N/P

**OSHA:**  
N/P

**Health Hazards Acute And Chronic:**  
N/P

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptions Of Overexposure:**  
CHOLINESTERASE INHIBITOR; HEADACHE, CONSTRICTION OF PUPILS, SALIVATION, MUSCULAR INCOORDINATION. 2

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
INGESTION: DRINK 1 OR 2 GLASSES OF WATER/INDUCE VOMITING. DON'T INDUCE VOMITING OR GIVE ANYTHING BY MOUTH IF UNCONSCIOUS. GET MED ATT. INHALATION: KEEP PATIENT STRICTLY AT REST. GET MED ATT. EYE/SKIN: RINSE W/CLEAN WATER. SEE SUPPLEMENTAL.

**Spill Release Procedures:**  
CAREFULLY SWEEP UP. AVOIDING FORMATION IF DUST CLOUD. PLACE IN SUITABLE CONTAINER & AL. AREA CAN BE WASHED W/WATER TO REMOVE LAST TRACES OF FICAM W, BUT KEEOUT OF WATER COURSES OR SEWERS. INFORM AUTHO RITIES IF CONTAMINATION OCCU.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
WASTE, INCLUDING SPILLS OR RINSATES, & LEFTOVER PESTICIDE THAT CAN'T BE USED ACCORDING TO LABEL INSTRUCTIONS, MUST BE DISPOSED OF ACCORDING TO APPLICABLE FEDERAL, STATE OR LOCAL PROCEDURES.

**Handling And Storage Precautions:**  
AVOID CONTACT W/EYES, SKIN & CLOTHING. REMOVE CONTAMINATED CLOTHING/WASH AFFECTED AREA W/SOAP WATER. DON'T USE ON OR STORE NEAR FEED OR FOOD.

**Other Precautions:**  
AVOID BREATHING & WORKING IN SPRAY MIST OR DUST. WASH HANDS & EXPOSED SKIN BEFORE EATING, DRINKING OR SMOKING & AFTER SPRAYI OR HANDLING. WASH CONTAMINATED CLOTHING BEFORE RE-USE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/R

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R 3

**Extinguishing Media:**  
DRY CHEMICAL, FOAM OR WATER.

**Fire Fighting Procedures:**  
AVOID INHALATION OF FUMES & DUST. WEAR SCBA.

**Unusual Fire/Explosion Hazard:**  
LARGE DUST CLOUDS, AS COULD BE FORMED DURING MANUFACTURE OR PACKAGING, MAY BE EXPLOSIVE.

## Physical/Chemical Properties

**HCC:**  
4

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/A

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/R

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
DISPERSIBLE

**Appearance and Odor:**  
WHITE POWDER, ODORLESS.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
DECOMPOSITION TEMPS (>280F)

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
TEMPS >280F GIVES OFF METHYL ISOCYANATE FUMES.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P