

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-178/17804-35-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
17804-35-2
Code:
M

RTECS:
DD6475000
Code:
M

Name:
2-BENZIMIDAZOLECARBAMIC ACID, 1-(BUTYLCARBAMOYL)-

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
15 MG/M3 TDUST
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
10 MG/M3; 9293
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
WEAR AN APPROVED PESTICIDE RESPIRATOR IF EXPOSURE MAY REACH OR EXCEED PEL LEVEL.

Ventilation:
USE ONLY WITH ADEQUATE VENTILATION.

Protective Gloves:
AS NEEDED TO PREVENT CONTACT. 4

Eye Protection:
SAFETY GLASSES.

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING. CLOTH OR DISPOSABLE PAPER DUST MASK DURING HANDLING AND MIXING AS THIS PRODUCT MAY BE HARMFUL.

Work Hygienic Practices:
WASH HANDS THOROUGHLY AFTER HANDLING THIS MATERIAL. DO NOT CONSUME FOOD, DRINK OR TOBACCO IN THE AREA.

Supplemental Safety and Health:
NONE

Health Hazards Data

LD50LC50Mixture:
LD50 (RATS) >10,000 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
INGESTION: VERY LOW TOXICITY. INHALATION: MODERATELY TOXIC. SKIN: MODERATE SENSITIZATION. MAY CAUSE A TEMPORARY ALLERGIC REACTION. EYES: MILD IRRITATION.

Explanation Of Carcinogenicity:
NOT APPLICABLE

Signs And Symptions Of Overexposure:
MILD IRRITATION AS NOTED UNDER HEALTH HAZARDS.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. SKIN: FLUSH SKIN WITH PLENTY OF WATER. EYES: IMMEDIATELY FLU SH WITH PLENTY OF WATER FOR AT LEAST 15MINUTES. CALL A PHYSICIAN. INGESTION: NO SPECIFIC INTERVENTION IS INDICATED AS THE COMPOUND IS NOT LIKDLY TO BE HAZARDOUS BY INGESTION.

Spill Release Procedures:
DIKE SPILL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS OR LOW AREAS. SHOVEL OR SWEEP UP.

Neutralizing Agent:
NONE

Waste Disposal Methods:
TREATMENT, STORAGE, TRANSPORTATION AND DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. DISPOSE IN AN APPROVED AND PERMITTED LANDFILL. DO NOT FLUSH TO SURFACE WATE R OR SANITARY SEWER SYSTEM. 3

Handling And Storage Precautions:
STORE IN WELL-VENTILATED AREA. KEEP CONTAINER TIGHTLY CLOSED. DO NOT STORE OR CONSUME FOOD, DRINK OR TOBACCO IN AREAS WHERE THEY MAY CONTACT BENLATE.

Other Precautions:
AVOID BREATHING VAPORS OR MIST. AVOID CONTACT WITH EYES. AVOID CONTACT WITH SKIN AND CLOTHING. AVOID BREATHING DUST.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/R

Autoignition Temp:

Autoignition Temp Text:
220C

Lower Limits:
0.08 G/L

Upper Limits:
UNKNOWN

Extinguishing Media:
WATER SPRAY, DRY CHEMICAL

Fire Fighting Procedures:
EVACUATE PERSONNEL TO A SAFE AREA. KEEP PERSONNEL REMOVED AND UPWIND OF FIRE. WEAR SELF-CONTAINED BREATHING APARTUS. USE WATER SPRAY. COOL TANK/CONTAINER.

Unusual Fire/Explosion Hazard:
DUST FORMS EXPLOSIVE MIXTURE WITH AIR. HAZARDOUS GASES PRODUCED IN FIRE ARE N-BUTYLISOCYANATE.

Physical/Chemical Properties

HCC:
T5

NRC/State LIC No:
NOT APPLICABLE

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
UNKNOWN

Melt /Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
24 LB/FT3

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
N/R

Solubility in Water:
DISPERSIBLE

Appearance and Odor:
SOLID OFF-WHITE MATERIAL. 5

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
DECOMPOSES WITH HEAT.

Materials To Avoid:
NONE

Hazardous Decomposition Products:
HAZARDOUS GASES PRODUCED ARE N-BUTYLIOSCYANATE, A STRONG LACHRYMATOR.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE

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 Informiation:N/P