

# 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.htm> 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

**ACGIH STEL:**

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

**LD50/LC50 Mixture:**

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 Symptoms 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 FLUSH WITH PLENTY OF WATER FOR AT LEAST 15MINUTES. CALL A PHYSICIAN. INGESTION: NO SPECIFIC INTERVENTION IS INDICATED AS THE COMPOUND IS NOT LIKELY 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 WATER 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 BENLIATE.

**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

**T5:**

T5

**NRC/State Lic No:**

NOT APPLICABLE

**Net Wt For Ammo:****Boiling Point:**

UNKNOWN

**B.P. Text:**

UNKNOWN

**Melt/Freeze Pt:**

UNKNOWN

**Decomp Temp:****Decomp Temp Text:**

220C

**Lower Limits:**

0.08 G/L

**Upper Limits:**

UNKNOWN

**Extinguishing Media:**

WATER SPRAY, DRY CHEMICAL.

**Fire Fighting Procedures:**

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**Unusual Fire/Explosion Hazard:**

DUST FORMS EXPLOSIVE MIXTURE WITH AIR. HAZARDOUS GASES PRODUCED IN FIRE ARE N-BUTYLISOCYANATE.

**Hazardous Decomposition Products:**

HAZARDOUS GASES PRODUCED ARE N-BUTYLISOCYANATE, A STRONG LACHRYMATOR.

**Hazardous Polymerization Indicator:**

NO

**NOT APPLICABLE Avoid Polymerization:**

NOT APPLICABLE

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

DECOMPOSES WITH HEAT.

**Materials To Avoid:**

NONE

**Hazardous Decomposition Products:**

HAZARDOUS GASES PRODUCED ARE N-BUTYLISOCYANATE, A STRONG LACHRYMATOR.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NOT APPLICABLE

## Toxicological Information

**Information:**

N/P

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**

N/P

**Federal Registry Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P

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