

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-288/288-32-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
288-32-4  
**Code:**  
M  
  
**RTECS:**  
NI3325000  
**Code:**  
M  
  
**Name:**  
IMIDAZOLE (10-30%)

**Other REC Limits:**  
N/P

**OSHA PEL:**  
N/P  
**Code:**

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
WEAR NIOSH APPROVED RESPIRATOR IF LEVELS EXCEED LIMITS.

**Ventilation:**  
LOCAL EXHAUST TO KEEP EXPOSURE BELOW LIMITS.

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment CLOTHING SUITABLE TO PREVENT SKIN CONTACT.

**Work Hygienic Practices:**  
N/K

**Supplemental Safety and Health:**  
REMOVE CONTAMINATED CLOTHING.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
2 EYES & SKIN: SEVERE IRRITATION. INHALATION: SEVERE IRRITATION OF THE MUCOUS MEMBRANES. OVEREXPOSURE: AFFECTS UPPER RESPIRATORY TRACT, BRONCHI. ABSORPTION HAZARD.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
INHALATION: RESPIRATORY PARALYSIS, PULMONARY EDEMA. HIGH CONCENTRATIONS CAN BE FATAL. ABSORPTION HAZARD: INSOMNIA, CONJUNCTIVITIS, RUNNY NOSE, BRONCHITIS, TREMOR, TACHYCARDIA, PAROTITIS, DIARRHEA, WEIGHT LOSS. SKIN: RASH. SULFUR DIOXIDE: IN-VITRO MUTAGEN, FETOTOXICITY, MATERNAL EFFECTS.

**Medical Cond Aggravated By Exposure:**  
ASTHMA, SKIN, EYE, LIVER, & KIDNEY CONDITIONS

**First Aid:**  
EYES: FLUSH W/WATER FOR 15 MINS. SKIN: FLUSH W/WATER. INGESTION: GIVE WATER OR MILK. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
WEAR APPROPRIATE PROTECTIVE CLOTHING. CONTAIN SPILL & COLLECT INTO CONTAINER.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE I/A/W LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
N/K

**Other Precautions:**  
N/K

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
169F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
CO2, WATER SPRAY, FOAM, DRY CHEMICAL

**Fire Fighting Procedures:**  
WEAR SCBA & FULL PROTECTIVE CLOTHING. COMBUSTIBLE LIQUID.

**Unusual Fire/Explosion Hazard:**  
N/K 3

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
MISCIBLE

**Appearance and Odor:**  
BROWN LIQUID, WEAK CHARACTERISTIC ODOR.

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
IGNITION SOURCES

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
4 CO, CO2, OXIDES OF NITROGEN, SULFUR, COMPOUNDS OF IODINE

**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