

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-126/12689-13-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
12689-13-3  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
GRAPHIC BISULFATE

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

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

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

## Control Measures

**Respiratory Protection:**  
NONE NORMALLY REQUIRED. USE A NIOSH APPROVED ORGANIC VAPOR RESPIRATOR WHEN VAPOR CONCENTRATIONS EXCEED RECOMMENDED EXPOSURE LIMITS. NEVER ENTER A CONFINED SPACE W/O AN AIR SUPPLIED RESPIRATOR; SCBA/AI RLINE W/ESCAPE PACK.

**Ventilation:**  
NATURAL/MECHANICALLY INDUCED FRESH AIR MOVEMENTS.

**Protective Gloves:**  
COTTON/IMPERMEABLE

**Eye Protection:**  
SAFETY GLASSES/GOGGLES

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

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH HANDS DURING BREAKS &BEFORE EATING.

**Supplemental Safety and Health:**  
N/K

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYE & SKIN IRRITATION.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
EYE & SKIN IRRITATION.

**Medical Cond Aggravated By Exposure:**  
EYE & SKIN CONDITIONS.

**First Aid:**  
EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER. SKIN: WIPE OFF MATERIAL & WASH W/SOAP & WATER. INHALATION: MOVE TO FRESH AIR. INGESTION: GIVE PLENTY OF WATER TO DRINK. NEVER GIVE ANYTHING BY MOUTH IF UNCON SCIOUS. DON'T INDUCE VOMITING UNLESS DIRECTED BY A PHYSICIAN. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
ALLOW TO CURE. SCRAPE UP MATERIAL & PLACE IN A CLOSED CONTAINER FOR DISPOSAL.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE BETWEEN 50 & 100F. KEEP FROM FREEZING.

**Other Precautions:**  
DON'T EAT, DRINK/SMOKE WHILE USING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NON-FLAMMABLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
USE EXTINGUISHING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.

**Fire Fighting Procedures:**  
USE A SELF CONTAINED BREATHING APPARATUS WHEN FIGHTING FIRES INVOLVING CHEMICALS.

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

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K 5

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.3

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
RED PASTE, ODORLESS

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
FREEZING, TEMPS 356F

**Materials To Avoid:**  
STRONG ACIDS, PEROXIDES &OTHER OXIDIZING AGENTS

**Hazardous Decomposition Products:**  
CO2, CO &FUMES OF SULFUR OXIDE

**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