

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-109/109-27-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

109-27-3

**Code:**

M

**RTECS:**

XF6900000

**Code:**

M

**Name:**

1-TETRAZENE, 1-GUANYL-4-NITROSAMINOQUANYL-; (TETR

**Other REC Limits:**

N/K

**OSHA PEL:**

NOT APPLICABLE

**Code:**

M

**OSHA STEL:**

ACGIH TLV: NOT APPLICABLE

**Code:**

2 OSHA STEL:

**ACGIH TLV:**

NOT APPLICABLE

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

6 PARTICULATE RESPIRATOR (E.G. 3M8710) WHERE AIR MOVEMENT IS INADEQUATE TO MAINTAIN EXPOSURE BELOW RECOMMENDED LEVELS. NIOSH/MSHA APPROVED (FP N).

**Ventilation:**

GENERAL (NATURAL OR MECHANICALLY INDUCED FRESH AIR MOVEMENTS THAT MAINTAIN EXPOSURE LEVELS BELOW RECOMMENDED LIMITS).

**Protective Gloves:**

IMPERVIOUS GLOVES (FP N).

**Eye Protection:**

CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:**

Equipment MUFFS OR AURAL INSERTS. SEE 29 CFR 1910.95.

**Work Hygienic Practices:**

WASH EXPOSED SKIN THOROUGHLY AFTER USE. WASH HANDS BEFORE EATING.

**Supplemental Safety and Health:**

FIRST AID PROC: THE WOUND AND TRANSPORT IMMEDIATELY TO A MEDICAL FACILITY. WASTE DISP METH: HAZARDOUS AMMUNITION. DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS (FP N).

## Health Hazards Data

**LD50/LC50 Mixture:**

NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

IRRITATION TO EYES, SKIN AND RESPIRATORY SYSTEM FROM FUMES AND GASES. ADVERSE HEALTH EFFECTS ARE NOT EXPECTED FROM LONG TERM EXPOSURE TO FUMES AND GASES; HOWEVER, GOOD PERSONAL HYGIENE PRACTICES ARE ESSENTIAL TO KEEP EXPOSURE TO A MINIMUM.

**Explanation Of Carcinogenicity:**

NOT APPLICABLE (FP N).

**Signs And Symptoms Of Overexposure:**

NONE SPECIFIED BY MANUFACTURER.

**Medical Cond Aggravated By Exposure:**

NONE ANTICIPATED.

**First Aid:**

EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MIN. CONSULT MD IF SYMPS PERSIST. SKIN: WASH THORO W/SOAP & WATER IF IRRIT OCCURS. INHAL: MOVE TO FRESH AIR. GET MED ATTN IF SYMPS PERSIST. INGEST: GET IM MED MED ATTN. OTHER: SEEK PROMPT MED ATTN IF PHYSICAL INJURY OCCURS FROM PINS, RIVETS, SHRAPNEL, ETC. FOR BLEEDING WOUNDS, PLACE CLEAN MATL ON WOUND & APPLY FIRM HAND PRESSURE. ELEVATE (SEE SUPP DATA)

**Spill Release Procedures:**

NONE SPECIFIED BY MANUFACTURER. 5

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

MISFIRES, BENT CARTRIDGES, ETC SHOULD BE STORED IN A CNTNR OF WATER TO WHICH DETERGENT HAS BEEN ADDED AS A "WETTING" AGENT. THE ONLY PROPER DISP METH IS TO INCINERATE IN SMALL AMTS IN A BURNER SPECIFICALLY DESIGNED FOR DESTROYING (SEE SUPPDATA)

**Handling And Storage Precautions:**

STORE IN A COOL, DRY PLACE. DO NOT CRUSH OR DROP. KEEP AWAY FROM EXCESS HEAT, ELECTRICAL CURRENT, AND STRONG ACIDS OR OXIDIZERS.

**Other Precautions:**

USE ONLY IN POWDER ACTUATED TOOLS DESIGNED TO HANDLE THESE BOOSTERS. EMPLOYEES MUST BE PROPERLY TRAINED AS PRESCRIBED IN 29CFR 1926.302(E).

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

**Flash Point Text:**

NOT APPLICABLE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/A

**Upper Limits:**

N/A

**Extinguishing Media:**

WATER

**Fire Fighting Procedures:**

WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). FLOOD AREA WITH WATER OR KEEP CARTRIDGES COOL WITH WATER SPRAY.

**Unusual Fire/Explosion Hazard:**

CARTRIDGES CAN EXPLODE WHEN EXPOSED TO TEMPERATURES ABOVE 200C.

## Physical/Chemical Properties

**HCC:**

**NRC/State Lic No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**

N/A

**Melt/Freeze Pt:**

N/A

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

N/A

**Decomp Temp:**

N/A

**Decomp Text:**

N/K (FP N)

**N/A**

**N/A**

**Volatile Org Content %:**

N/A

**Spec Gravity:**

NOT APPLICABLE 7

**VOC Grams/Liter:**

N/P

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

NOT APPLICABLE

**Solubility in Water:**

NOT APPLICABLE

**Appearance and Odor:**

BRASS CASTING COLOR CODED ON STAR CRIMP

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

N/K

**Reactivity Data:**

N/A

**Other Information:**

N/A

**Other Information:**