

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-299/299-11-6.html> for suppliers of this product.

### Composition/Information on Ingredient

299-11-6

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
5-METHYLPHENAZINIUM METHYL SULPHATE Environmental

**Other REC Limits:**  
N/P 2

**OSHA PEL:**  
N/P

**Code:**

**OSHA STEL:**  
N/P

**Code:**

**ACGIH TLV:**  
N/P

**Code:**

**ACGIH STEL:**  
N/P

**Code:**

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**Control Measures**

**Respiratory Protection:**  
IN CASE OF BRIEF EXPOSURE

INTENSIVE OR LONGER EXPOSURE USE NIOSH APPROVED RESPIRATORY PROTECTIVE DEVICE THAT IS INDEPENDENT OF CIRCULATING AIR.

**Ventilation:**  
4 PROD DOES NOT CONTAIN ANY RELEVANT QTY'S OF MATERIALS WITH CRITICAL VALUES THAT HAVE TO BE MONITORED AT WORKPLACE. THE LISTS WERE VALID DURING CREATION WERE (SUPDAT)

**Protective Gloves:**  
IMPERVIOUS GLOVES (FP N).

**Eye Protection:**  
ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:**  
Equipment EYE WASH DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

**Work Hygienic Practices:**  
KEEP AWAY FROM FOODSTUFFS, BEVERAGES FEED. WASH HANDS BEFORE BREAKS AT THE END OF WORK. STORE PROTECTIVE CLOTHING SEPARATELY.

**Supplemental Safety and Health:**  
VENT: USED AS BASIS.

## Health Hazard Data

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE:: PRIMARY IRRITANT EFT: ON SKIN: NO IRRITANT EFFECT. ON EYE: NO IRRITATING EFFECT. SENSITIZATION: NO SENSITIZING EFFECTS KNOWN. THE PRODUCT SHOWS THE FOLLOWING DANGERS ACCORDING TO THE CALCULATION METHOD OF THE GENERAL EU CLASSIFICATION GUIDELINES FOR PREPARATIONS AS ISSUED IN THE LATEST VERSION: THE PRODUCT CAN CAUSE INHERITABLE DAMAGE.

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptoms Of Overexposure:**  
SEE HEALTH HAZARDS.

**Medical Cond Aggravated By Exposure:**  
N/P

**First Aid:**  
SKIN: FLUSH W/COPIOUS AMOUNTS OF WATER. CALL MD. (FP N). INHALATION: SUPPLY FRESH AIR; CONSULT DOCTOR IN CASE OF COMPLAINTS. EYE CONTACT: RINSE OPENED EYE FOR AT LEAST 15 MINUTES UNDER RUNNING WATER. INGESTION: IF SYMPTOMS PERSIST CONSULT DOCTOR.

**Spill Release Procedures:**  
PERSON-RELATED SFTY PRECS: NOT REQD. MEASURES FOR ENVIRON PROT: PVNT SEEPAGE INTO SEWAGE SYS, WORKPITS & CELLARS. MEASURES FOR CLEANING/COLLECTING: ABSORB W/LIQUID-BINDING MATL (SAND, DIATOMITE, ACID BINDERS, UNIVERSAL BINDERS, SAWDUST). DISPOSE CONTAMD MATL AS WASTE ACCORDING TO ITEM 13. ENSURE ADEQUATE VENTILATION.

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
3 PRODUCT: RECOMMENDATION. MUST NOT BE DISPOSED OF TOGETHER W/HOUSEHOLD GARBARGE. DO NOT ALLOW PRODUCT TO REACH SEWAGE SYSTEM. UNCLEARED PACKAGINGS: RECOMMENDATION: DISPOSAL MUST BE MADE ACCORDING TO FEDERAL, STATE & LOCAL REGULATIONS.

**Handling And Storage Precautions:**  
INFO FOR SAFE HNDLG: OPEN & HANDLE RECEPTACLE WITH CARE. INFO ABOUT PROTECTION AGAINST EXPLOSIONS & FIRES: KEEP NIOSH APPRVD RESPIRATORY PROTECTIVE DEVICE AVAILABLE.

**Other Precautions:**  
STORAGE: REQUIREMENTS TO BE MET BY STOREROOMS & RECEPTACLES: NO SPEC REQUIREMENTS. INFO ABOUT STORAGE IN 1 COMMON STORAGE FACILITY: NOT REQD. FURTHER INFO ABOUT STORAGE CNDTNS: NONE. STORAGE CLASS: CLASS ACCORDING TO REG ON FLAMM LIQS: NOT APPLICABLE.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/A

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/P

**Lower Limits:**  
N/P

**Upper Limits:**  
N/P

**Extinguishing Media:**  
CO\*2, EXTINGUISHING POWDER OR WATER SPRAY. FIGHT LARGER FIRES WITH WATER SPRAY OR ALCOHOL RESISTANT FOAM.

**Fire Fighting Procedures:**  
NO SPECIAL MEASURES REQUIRED. USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

**Unusual Fire/Explosion Hazard:**  
PRODUCT DOES NOT PRESENT AN EXPLOSION HAZARD.

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**Physical/Chemical Properties**

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**  
=100.C, 212.F

**B.P. Text:**

**Melt/Freeze Pt:**  
=0.C, 32.F

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

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
N/P

**Vapor Density:**  
N/P

**Volatile Org Content %:**

**Spec Gravity:**  
N/P

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/P 5

**Solubility in Water:**  
NOT MISCIBLE/DFCLT TO MIX

**Appearance and Odor:**  
COLORLESS FLUID. ODORLESS.

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

**Corrosion Rate:**  
N/P

**Reactivity Data**

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS.

**Materials To Avoid:**  
NO DANGEROUS REACTIONS KNOWN.

**Hazardous Decomposition Products:**  
NO DANGEROUS DECOMPOSITION PRODUCTS KNOWN.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/P

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**Toxicological Information**

**Information:**N/P

MSDS Tra

**Information:**N/P

## Regulatory

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

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**Other Information**

**Other Information:**N/P

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is