

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-105/105-57-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
105-57-7  
**Code:**  
M

**RTECS:**  
AB2800000  
**Code:**  
M

**Name:**  
ACETAL, ACETALDEHYDE

**Other REC Limits:**  
N/K

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

**OSHA STEL:**

**Code:**

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

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem  
**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
NIOSH APPROVED DUST RESPIRATOR SHOULD BE USED DURING FABRICATION, CUTTING/MACHINING.

**Ventilation:**  
USUALLY CONSIDERED A NUISANCE DUST WHEN PARTICULATE IS <15 MG/CUM

**Protective Gloves:**  
PROTECTIVE

**Eye Protection:**  
SAFETY GLASSES

**Other Protective Equipment:**  
Equipment PROTECTIVE FOOTWEAR &CLOTHING FOR WELDING, CUTTING/BURNING.

**Work Hygienic Practices:**  
USE GOOD HOUSE KEEPING PRACTICES TO PREVENT ACCUMULATION OF DUST &TO KEEP AIRBORNE DUST TO A MINIMUM.

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

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: IRRITATION. SKIN: MOLTEN POLYMER CAUSES THERMAL BURNS. IF MOLTEN POLYMER CONTACTS THE SKIN, COOL RAPIDLY WITH COLD WATER. DON'T ATTEMPT TO PEEL POLYMER. OBTAIN MEDICAL HELP FOR THERMAL BURN. INH ALATION: CAN RESULT IN RESPIRATORY TRACT IRRITATION & NAUSEA.

**Explanation Of Carcinogenicity:**  
INGREDIENTS MAY BE CONSIDERED HAZARDOUS/PRESENT CARCINOGENIC/HEALTH CONCERNS DUE TO THE CHEMICAL CONCENTRATIONS OF FORM.

**Signs And Symptions Of Overexposure:**  
EYES: IRRITATION. SKIN: MOLTEN POLYMER CAUSES THERMAL BURNS. IF MOLTEN POLYMER CONTACTS THE SKIN, COOL RAPIDLY W/COLD WATER. DON'T ATTEMPT TO PEEL POLYMER. OBTAIN MEDICAL HELP FOR THERMAL BURN. INHALA TION: MAY RESULT RESPIRATORY TRACT & NAUSEA.

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

**First Aid:**  
SKIN: REMOVE PARTICLES THOROUGHLY BY WASHING W/SOAP & WATER. EYES: FLUSH THOROUGHLY WITH WATER. CALL PHYSICIAN.

**Spill Release Procedures:**  
N/R

**Neutralizing Agent:**  
N/R

**Waste Disposal Methods:**  
FOLLOW FEDERAL, STATE & LOCAL REGULATIONS REGARDING DISPOSAL.

**Handling And Storage Precautions:**  
USE GOOD HOUSEKEEPING PRACTICES TO PREVENT ACCUMULATION OF DUST & TO KEEP AIRBORNE DUST TO A MINIMUM.

**Other Precautions:**  
N/R

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P 2

**Flash Point:**

**Flash Point Text:**  
N/R

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

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

**Fire Fighting Procedures:**  
NONE

**Unusual Fire/Explosion Hazard:**  
SMALL CHIPS, FINE TURNINGS, & DUST MAY IGNITE READILY.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/R

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
.7 - 2.20 3

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
NIL

**Appearance and Odor:**  
SOLID SHAPES, NATURAL TO BLACK, SLIGHT ODOR.

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

**Corrosion Rate:**  
N/R

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXCESSIVE HEAT DURING STORAGE.

**Materials To Avoid:**  
N/R

**Hazardous Decomposition Products:**  
N/R

**Hazardous Polymerization Indicator:**  
NO

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

## 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