

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-269/2698-41-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
2698-41-1  
**Code:**  
M

**RTECS:**  
OO3675000  
**Code:**  
M

**Name:**  
O-CHLOROBENZYLIDENE MALONONITRILE

**Other REC Limits:**  
0.05 PPM

**OSHA PEL:**  
0.05 PPM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
C 0.39 MG/CUM  
**Code:**  
M N/P

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

## Control Measures

**Respiratory Protection:**  
CHEMICAL RESPIRATOR, NIOSH APPROVED.

**Ventilation:**  
N/K

**Protective Gloves:**  
SOLVENT RESISTANT RUBBER

**Eye Protection:**  
CHEMICAL RESISTANT GOGGLES

**Other Protective Equipment:**  
Equipment SOLVENT RESISTANT TYPE CLOTHING W/FULL JACKET.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: IRRITATION/BURNING SENSATION TO LUNGS & RESPIRATORY SYSTEM. EYES: IRRITATION/BURNING SENSATION. MAY CAUSE SUPERFICIAL KERATITIS & CONJUNCTIVITIS. SKIN: LIQUID CAN CAUSE IRRITATION/ABSORPTION. INGESTION: LIQUID MAY CAUSE IRRITATION/BURNING SENSATION TO DIGESTIVE SYSTEM.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptoms Of Overexposure:**  
IRRITATION, BURNING SENSATION, DIZZINESS, NAUSEA

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

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN/CPR IF NECESSARY. EYES: FLUSH W/COOL WATER FOR 15 MINS. SKIN: WASH W/COOL WATER & SOAP. INGESTION: DRINK A GLASS OF WATER & INDUCE VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
EXTINGUISH ALL FLAMES, THEN SOAK UP MATERIAL IN ABSORBANT MATERIAL & SHOVEL INTO WASTE CONTAINER.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS. UN1950.

**Handling And Storage Precautions:**  
PACKAGED PRODUCT IS UNDER PRESSURE. DON'T PUNCTURE, INCINERATE/STORE AT TEMPERATURES >130F.

**Other Precautions:**  
STRONGLY IRRITATING TO EYES, NOSE & SKIN. AVOID INHALING VAPORS & CONTACT W/SKIN. AVOID ABSORPTION OF PRODUCT ON CLOTHING.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
CC

**Flash Point:**

**Flash Point Text:**  
110F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K 3

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

**Fire Fighting Procedures:**  
COOL CONTAINERS IF EXPOSED TO FIRE/HIGH HEAT.

**Unusual Fire/Explosion Hazard:**  
PRODUCT PACKAGED IN AEROSOL FORM MAY CAUSE CONTAINERS TO BURST WHEN EXPOSED TO EXTREME HEAT. VAPORS ARE >AIR & MAY TRAVEL ALONG GROUND & BE IGNITED BY IGNITION.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
211-370F

**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:**  
1.07

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
SLIGHT

**Appearance and Odor:**  
CLEAR AMBER LIQUID W/AROMATIC ODOR. 4

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXTREME HEAT, TEMPS >175F

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
CO2, CO, VARIOUS HYDROCARBONS, SMALL AMOUNTS OF PHOSGENE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
EXTREME HEAT, TEMPS >175F.

## 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