

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-148/148-82-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
148-82-3  
**Code:**  
M

**RTECS:**  
AY3675000  
**Code:**  
M

**Name:**  
MELPHALAN (SARA III)

**Other REC Limits:**  
N/P

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
N/P

**Ventilation:**  
N/P

**Protective Gloves:**  
N/P

**Eye Protection:**  
N/P

**Other Protective Equipment:**  
Equipment N/P

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
MSDS FROM BURROUGHS EFFECTIVE:6/12/84

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

**Route Of Entry Inds - Inhalation:**  
N/P

**Skin:**  
N/P

**Ingestion:**  
N/P

**Carcinogenicity Inds - NTP:**  
N/P

**IARC:**  
N/P

**OSHA:**  
N/P

**Health Hazards Acute And Chronic:**  
N/P

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptions Of Overexposure:**  
2 EYES:IRRITATG;SKIN/INGEST:TOXIC.THIS COMPD IS A NITROGEN MUSTARD DERIVTV AND A KNOWN CARCINOGEN.

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

**First Aid:**  
EYES:RINSE IMMED W/PLENTY OF WATER;INGESTION:WASH OUT MOUTH.GIVE PLENTY OF FLUIDS.GENTLE GASTRIC LAVAGE & ADMINISTRATION OF CHARCOAL HELPFUL IF INGESTION WAS RECENT;SKIN:WASH SKIN W/PLENTY OF WATER.GE T MD ATTN;INHAL:IMMED RMV TO FRESH AIR.GET MD ATTN

**Spill Release Procedures:**  
N/P

**Neutralizing Agent:**  
N/P

**Waste Disposal Methods:**  
N/P

**Handling And Storage Precautions:**  
N/P

**Other Precautions:**  
N/P

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
3 CO\*2, FOAM, DRY CHEM & H\*2O FOG.

**Fire Fighting Procedures:**  
USE SCBA COOL EXPSD CONTNRS W/WATER SPRAY

**Unusual Fire/Explosion Hazard:**  
HEATING MAY GIVE RISE TO TOXIC OR IRRITANT FUMES.CONTNR MAY EXPLODE BY HEAT,OF FIRE

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**

**Net Prop WT For Ammo:**  
4

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/A

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
WHITE OR ALMOST WHITE ODORLESS POWDER.

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

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
N/P

**Stability Condition To Avoid:**  
N/P

**Materials To Avoid:**  
N/P

**Hazardous Decomposition Products:**  
N/P

**Hazardous Polymerization Indicator:**  
N/P

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

## 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



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### WARRANTY

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