

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-141/141-82-2.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
141-82-2

Code:
T

RTECS:
OO0175000

Code:
T

Name:
MALONIC ACID Environmental Wt: Other REC Limits

Other REC Limits:
N/P

OSHA PEL:
N/P

Code:

OSHA STEL:
N/P

Code:

ACGIH TLV:
N/P

Code:

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
WORK IN FUME HOOD OR IF DUSTY CONDITIONS PREVAIL, WEAR A NIOSH-APPROVED DUST MASK.

Ventilation:
LOCAL EXHAUST RECOMMENDED. MECHANICAL EXHAUST RECOMMENDED.

Protective Gloves:
RUBBER 4

Eye Protection:
CHEMICAL SAFETY GLASSES

Other Protective Equipment:
Equipment EYE WASH STATION, GOGGLES, VENTILATION HOOD, PROPER GLOVES, LAB COAT.

Work Hygienic Practices:
NOT PROVIDED.

Supplemental Safety and Health:
P/N: 83793-02. WARNING! HARMFUL IF INHALED OR SWALLOWED. STRONG IRRITANT TO EYES, SKIN AND MUCOUS MEMBRANES.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL, RAT) 1310 MG/KG

Route Of Entry Inds - Inhalation:
N/P

Skin:
N/P

Ingestion:
N/P 2

Carcinogenicity Inds - NTP:
N/P

IARC:
N/P

OSHA:
N/P

Health Hazards Acute And Chronic:
EFFECTS OF OVEREXPOSURE: SKIN: STRONG SKIN IRRITANT ON CONTACT. EYES: STRONG EYE IRRITANT ON CONTACT AND MAY CAUSE BURNS. INHALATION: DUST MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. INGESTION: NO DATA AVAILABLE. MODERATELY TOXIC; WHEN DISSOLVED IN WATER IT IS A STRONG ACID.

Explanation Of Carcinogenicity:
NOT PROVIDED.

Signs And Symptions Of Overexposure:
SKIN: STRONG SKIN IRRITANT ON CONTACT. EYES: STRONG EYE IRRITANT ON CONTACT AND MAY CAUSE BURNS. INHALATION: DUST MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. INGESTION: NO DATA AVAILABLE. MODERATELY TOXIC; WHEN DISSOLVED IN WATER IT IS A STRONG ACID.

Medical Cond Aggravated By Exposure:
NOT PROVIDED.

First Aid:
SKIN: FLUSH WITH WATER FOR 15 MINUTES. FOLLOW BY WASHING WITH MILD SOAP AND WATER. INGESTION: IF SWALLOWED, IF CONSCIOUS, DRINK LARGE QUANTITIES OF WATER. FOLLOW WITH MILK OF MAGNESIA, BEATEN EGGS OR VEGETABLE OIL. CALL PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET PROMPT MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR.

Spill Release Procedures:
SWEEP UP AND PLACE IN A SUITABLE CONTAINER FOR DISPOSAL BY INCINERATION. WASH SPILL AREA WELL WITH SOAP AND WATER.

Neutralizing Agent:
NOT PROVIDED. WEAK BASE (HMIS).

Waste Disposal Methods:
DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. THESE DISPOSAL GUIDELINES ARE INTENDED FOR THE DISPOSAL OF CATALOG-SIZE QUANTITIES ONLY. DISPOSE OF IN AN APPROVED INCINERATOR.

Handling And Storage Precautions:
3 STORE IN A COOL, DRY PLACE AWAY FROM STRONG OXIDIZING MATERIAL. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

Other Precautions:
READ LABEL ON CONTAINER BEFORE USING. DO NOT WEAR CONTACT LENSES WHEN WORKING WITH CHEMICALS. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. AVOID BREATHING DUST. WASH CONTAMINATED CLOTHING BEFORE REUSE. FOR LABORATORY USE ONLY. NOT FOR FOOD, DRUG OR HOUSEHOLD USE. KEEP OUT OF REACH OF CHILDREN.

Fire and Explosion Hazard Information

Flash Point Method:
COC

Flash Point:
=157.2C, 315.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:
NOT AVAILABLE

Upper Limits:
NOT AVAILABLE

Extinguishing Media:
WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL, (ABC).

Fire Fighting Procedures:
IN FIRE CONDITIONS, WEAR A NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:
FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS; CAN REACT WITH OXIDIZING MATERIALS.

Physical/Chemical Properties

HCC:
V5

NRC/State LIC No:
NOT RELEVANT.

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
SUBLIMES IN VACUUM.

Melt/Freeze Pt:
=135.C, 275.F

M.P/F.P Text:

Decomp Temp:

Decomp Text:
NOT PROVIDED. NOT PROVIDED

Vapor Pres:
NEGLECTIBLE

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
1.63 - 1.67

VOC Pounds/Gallon:

PH: NOT PROVIDED.

VOC Grams/Liter:

Viscosity:
NOT RELEVANT.

Evaporation Rate & Reference:
NOT VOLATILE

Solubility in Water:
154 G/100 MLAT 20C/68F

Appearance and Odor:
SMALL FLAT, WHITE CRYSTALLINE POWDER - NO ODOR 5

Percent Volatiles by Volume:
NOT VOLATILE

Corrosion Rate:
NOT PROVIDED.

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXCESSIVE TEMPERATURE AND HEAT.

Materials To Avoid:
STRONG OXIDIZING MATERIAL.

Hazardous Decomposition Products:
THERMAL DECOMPOSITION OR BURNING WILL PRODUCE CARBON DIOXIDE AND/OR CARBON MONOXIDE.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT APPLICABLE.

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