

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-107/1071-83-6.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
1071-83-6

Code:
M

RTECS:

Code:
X

Name:
GLYPHOSATE, N-PHOSPHONOMETHYLGLYCINE, IN THE FORM

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
4 NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED RESPIRATOR APPROVED FOR PESTICIDE IN CASE OF HEAVY SPRAY OR MIST.

Ventilation:
NO SPECIAL REQUIREMENT.

Protective Gloves:
RUBBER GLOVES.

Eye Protection:
CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:
DO NOT CONTAMINATE WATER, FOODSTUFFS, FEED OR SEED BY STORAGE OR DISPOSAL. EMPTIED CONTAINER RETAINS VAPOR AND PRODUCT RESIDUE. OBSERVE ALL LABELED SAFEGUARDS UNTIL CONTAINER IS CLEANED, RECONDITIONED OR DESTROYED.

Health Hazards Data

LD50LC50Mixture:
LD 50 ORAL RAT > 5000 MG/KG

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: TEMPORARY EYE IRRITATION AND CONJUNCTIVITIS, GASTROINTESTINAL DISCOMFORT. INGESTION OF LARGE QUANTITIES MAY RESULT IN HYPOTENSION AND PULMONARY EDEMA. CHRONIC: SKIN IRRITATION.

Explanation Of Carcinogenicity:
NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:
EYES: TEMPORARY EYE IRRITATION. SKIN: IRRITATION ON PROLONGED CONTACT. INHALATION: NO SYMPTOMS NOTED. INGESTION: GASTROINTESTINAL DISCOMFORT, IRRITATION OF THE MOUTH, NAUSEA, VOMITING, DIARRHEA.

Medical Cond Aggravated By Exposure:
NONE NOTED.

First Aid:
EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING DIFFICULTY DEVELOPS. INGESTION: DRINK MILK, EGG WHITES OR GELATIN SOLUTION OR WATER. GET MEDICAL ATTENTION.

Spill Release Procedures:
ABSORB WITH ABSORBENT CLAY SUCH AS ATTAPULGITE OR BENTONITE. PLACE IN PLASTIC-LINED METAL DRUM. THOROUGHLY SCRUB FLOORS WITH STRONG INDUSTRIAL TYPE DETERGENT SOLUTION AND RINSE WITH WATER. 3

Neutralizing Agent:
NOT APPLICABLE

Waste Disposal Methods:
CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. MANUFACTURER RECOMMENDS DISPOSAL IN A LANDFILL APPROVED FOR PESTICIDES. DO NOT REUSE CONTAINER.

Handling And Storage Precautions:
SPRAY SOLUTIONS OF THIS PRODUCT SHOULD BE MIXED, STORED OR APPLIED ONLY IN STAINLESS STEEL, ALUMINUM, FIBERGLASS, PLASTIC AND PLATIC-LINED CONTAINERS.

Other Precautions:
TRIPLE RINSE CONTAINERS IF METAL DRUMS. DONOT REUSE PLASTIC DRUMS.

Fire and Explosion Hazard Information

Flash Point Method:
PMCC

Flash Point:

Flash Point Text:
>200F,>93C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
UNKNOWN

Upper Limits:
UNKNOWN

Extinguishing Media:
USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:
COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

Physical/Chemical Properties

HCC:
T5

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
UNKNOWN

Melt/Freeze Pt:

M.P./F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
UNKNOWN

Vapor Density:
UNKNOWN

Volatile Org Content %:

Spec Gravity:
1.17 5

VOC Pounds/Gallon:

PH: 4.7

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
UNKNOWN

Appearance and Odor:
CLEAR, VISCOUS AMBER-COLORED SOLUTION. PRACTICALLY ODORLESS TO SLIGHT AMINE-LIK

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
STABLE FOR AT LEAST 5 YEARS UNDER NORMAL CONDITIONS OF WAREHOUSE STORAGE. HEATED FACILITIES ARE NOT REQUIRED.

Materials To Avoid:
THIS PRODUCT IN CONTACT WITH GALVANIZED OR UNLINED STEEL MAY FORM FLAMMABLE AND EXPLOSIVE HYDROGEN GAS.

Hazardous Decomposition Products:
CARBON MONOXIDE, CARBON DIOXIDE, INCOMPLETELY BURNED CARBON PRODUCTS.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE. WILL NOT OCCUR.

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