

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-139/139-89-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

139-89-9

Code:

M

RTECS:

Code:

X

Name:

N-HYDROXYETHYLETHYLETHYLENEDIAMINETRIACETIC ACID(

Other REC Limits:

N/K

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:

MECHANICAL (GENERAL) VENTILATION IS REQUIRED. LOCAL EXHAUST MAY BE REQUIRED IF WORK AREA IS NOT VENTED.

Protective Gloves:

RUBBER, PVC, OR NEOPRENE

Eye Protection:

CHEMICAL SAFETY GOGGLES

Other Protective Equipment:

Equipment SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:

WASH THROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

BATHE AFTER WORK USING PLENTY OF SOAP & WATER.

Health Hazards Data

LD50/LC50 Mixture:

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:

ACUTE: INHALE- MILD IRRITATION. SKIN- SEVERE BURNS. EYES- MAJOR POTENTIAL HAZARD, IRRITATION AND BURNS. INGEST- SEVERE BURNING AND PAIN IN LIPS, MOUTH, TONGUE, THROAT AND STOMACH.

Explanation Of Carcinogenicity:

NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

INHALE- MILD IRRITATION. SKIN SEVERE BURNS. EYES- MAJOR POTENTIAL HAZARD, IRRITATION AND BURNS. INGEST- SEVERE BURNING AND PAIN IN LIPS, MOUTH, TONGUE, THROAT AND STOMACH.

Medical Cond Aggravated By Exposure:

MAY AGGRAVATE EXISTING SKIN AND/OR EYE CONDITIONS ON CONTACT.

First Aid:

GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY FLUSH SKIN AND /OR EYES WITH POTABLE COOL WATER FOR AT LEAST 15 MINUTES. MOVE TO FRESH AIR. DO NOT INDUCE VOMITING; GIVE PLENTY OF WATER AT ONCE IF CONSCIOUS.

Spill Release Procedures:

CONFINE SPILL. RECLAIM INTO CLOSED CONTAINERS FOR NORMAL USE OR DISPOSAL. REMAINING MATERIAL MAY BE DILUTED WITH WATER AND NEUTRALIZED. PREVENT RUNOFF INTO GROUND OR 4 SURFACE WATERS OR SEWERS.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

RECOVERED SOLIDS OR LIQUIDS MAY BE SENT TO A LICENSED RECLAIMER OR DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY.

Handling And Storage Precautions:

DO NOT ALLOW TO CONTACT SKIN, EYES, OR CLOTHING. WEAR CHEMICAL GOGGLES WHICH ARE DUST AND SPLASHPROOF. STORE IN CLOSED PROPERLY LABELED CONTAINERS.

Other Precautions:

WHEN DISSOLVING IN WATER, USE WARM BUT NOT EXCEEDING 100F. SLOWLY ADD TO SURFACE OF WATER WITH CONSTANT STIRRING TO AVOID VIOLENT SPATTERING.

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

NONE

Autoignition Temp:

Autoignition Temp Text:

N/R

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

USUAL EXTINGUISHING MEDIA

Fire Fighting Procedures:

FIREFIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:

MATERIAL IS A CORROSIVE SOLID(CONTAINS SODIUM-HYDROXIDE);AVOID SPRAYING W/WATER AS THIS MAY RESULT IN HI-HEAT OF REACTION.

Physical/Chemical Properties

HCC:

B1

NRC/State Lic No:

N/R

Net Prop WT For Ammo:

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:

ACUTE: INHALE- MILD IRRITATION. SKIN- SEVERE BURNS. EYES- MAJOR POTENTIAL HAZARD, IRRITATION AND BURNS. INGEST- SEVERE BURNING AND PAIN IN LIPS, MOUTH, TONGUE, THROAT AND STOMACH.

Explanation Of Carcinogenicity:

NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure:

INHALE- MILD IRRITATION. SKIN SEVERE BURNS. EYES- MAJOR POTENTIAL HAZARD, IRRITATION AND BURNS. INGEST- SEVERE BURNING AND PAIN IN LIPS, MOUTH, TONGUE, THROAT AND STOMACH.

Medical Cond Aggravated By Exposure:

MAY AGGRAVATE EXISTING SKIN AND/OR EYE CONDITIONS ON CONTACT.

First Aid:

GET MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY FLUSH SKIN AND /OR EYES WITH POTABLE COOL WATER FOR AT LEAST 15 MINUTES. MOVE TO FRESH AIR. DO NOT INDUCE VOMITING; GIVE PLENTY OF WATER AT ONCE IF CONSCIOUS.

Spill Release Procedures:

CONFINE SPILL. RECLAIM INTO CLOSED CONTAINERS FOR NORMAL USE OR DISPOSAL. REMAINING MATERIAL MAY BE DILUTED WITH WATER AND NEUTRALIZED. PREVENT RUNOFF INTO GROUND OR 4 SURFACE WATERS OR SEWERS.

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

RECOVERED SOLIDS OR LIQUIDS MAY BE SENT TO A LICENSED RECLAIMER OR DISPOSED OF IN A PERMITTED WASTE MANAGEMENT FACILITY.

Handling And Storage Precautions:

DO NOT ALLOW TO CONTACT SKIN, EYES, OR CLOTHING. WEAR CHEMICAL GOGGLES WHICH ARE DUST AND SPLASHPROOF. STORE IN CLOSED PROPERLY LABELED CONTAINERS.

Other Precautions:

WHEN DISSOLVING IN WATER, USE WARM BUT NOT EXCEEDING 100F. SLOWLY ADD TO SURFACE OF WATER WITH CONSTANT STIRRING TO AVOID VIOLENT SPATTERING.

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

MIXTURE WITH WATER, ACID OR INCOMPATIBLE MATERIALS CAN CAUSE SPLATTERING AND RELEASE LARGE AMOUNTS OF HEAT H2 GAS.

Materials To Avoid:

CHLORINATED AND FLUORINATED HYDROCARBONS, ACETALDEHYDE, ACROLEIN, ALUMINUM, CHLORINE TRIFLUORIDE, HYDROQUINONE.

Hazardous Decomposition Products:

WILL NOT DECOMPOSE

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

Other Information:

N/P