

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-196/1965-29-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1965-29-3

**Code:**  
M

**RTECS:**  
IE1575000

**Code:**  
M

**Name:**  
2 HYDROXYETHYL DIETHYLENTRIAMINE

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

N/K

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

### Respiratory Protection:

USE NIOSH APPROVED RESPIRATOR IF TLV IS EXCEEDED/W/LIMITED VENTILATION.

### Ventilation:

LOCAL EXHAUST TO CONTROL VAPOR/DUST LEVELS TO BELOW RECOMMENDED LIMITS.

### Protective Gloves:

IMPERVIOUS RUBBER

### Eye Protection:

CHEMICAL SAFETY GOGGLES

### Other Protective Equipment:

Equipment EYE WASH, PROTECTIVE CLOTHING, RUBBER APRON

### Work Hygienic Practices:

GOOD PERSONAL HYGIENE TO BE FOLLOWED AT ALL TIMES.

### Supplemental Safety and Health:

ORAL LD50 IS FOR 2 HYDROXYETHYL DIETHYLENTRIAMINE 3

## Health Hazards Data

### LD50/LC50 Mixture:

ORAL LD50(RAT): 4630 MG/KG (SEE SUPP)

### Route Of Entry Inds - Inhalation:

YES

### Skin:

YES

### Ingestion:

YES

### Carcinogenicity Inds - NTP:

NO

### IARC:

NO

### OSHA:

NO

### Health Hazards Acute And Chronic:

EYES: SEVERE IRRITANT/CORROSIVE/CHEMICAL BURNS W/PERMANENT CORNEAL INJURY/BLINDNESS. SKIN: SEVERE IRRITANT/CORROSIVE/CHEMICAL BURNS. INHALATION: IRRITATION OF RESPIRATORY TRACT. INGESTION: IRRITATION /BURNS OF MOUTH/THROAT & STOMACH. MATERIAL ASPIRATED INTO THE LUNGS MAY CAUSE CHEMICAL PNEUMONITIS.

### Explanation Of Carcinogenicity:

NONE

### Signs And Symptoms Of Overexposure:

IRRITATION, BURNS, BLISTERS, HEADACHE, NAUSEA, VOMITING, ABDOMINAL PAIN & COLLAPSE

### Medical Cond Aggravated By Exposure:

N/K

### First Aid:

EYES: FLUSH W/WATER FOR 15 MINS. SKIN: WASH THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NECESSARY. INGESTION: DON'T INDUCE VOMITING. ASPIRATION HAZARD. GIVE WATER/MILK IF CONSCIOUS & NOT DROWSY. SHOULD VOMITING OCCUR, KEEP VICTIM'S HEAD BELOW HIPS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

### Spill Release Procedures:

VENTILATE AREA, ELIMINATE IGNITION SOURCES. CONTAIN & ABSORB W/INERT MATERIAL. SWEEP/SHOVEL INTO CONTAINER W/LIDS. COVER LOOSELY & STORE IN A WELL VENTILATED AREA UNTIL DISPOSAL. WASH AREA W/SOAP & WATER. PREVENT WASHINGS FROM ENTERING WATERWAYS.

### Neutralizing Agent:

N/K

### Waste Disposal Methods:

2 DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS.

### Handling And Storage Precautions:

TIGHTLY RESEAL ALL PARTIALLY USED CONTAINERS. FOR INDUSTRIAL USE ONLY. USE ONLY W/ADEQUATE VENTILATION. AVOID CONTACT W/EYES, SKIN & CLOTHING.

### Other Precautions:

AVOID BREATHING VAPOR, DUST, MIST. DON'T TAKE INTERNALLY.

## Fire and Explosion Hazard Information

### Flash Point Method:

PMCC

### Flash Point:

### Flash Point Text:

250F

### Autoignition Temp:

### Autoignition Temp Text:

N/A

### Lower Limits:

N/K

### Upper Limits:

N/K

### Extinguishing Media:

FOAM, CO2, DRY CHEMICAL

### Fire Fighting Procedures:

WEAR SELF CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING. USE WATER TO COOL EXPOSED CONTAINERS.

### Unusual Fire/Explosion Hazard:

WATER STREAM DIRECTED INTO FIRE MAY CAUSE FROTHING W/SUBSEQUENT SPREAD OF FIRE. CLOSED CONTAINERS MAY RUST/EXPLODE WHEN EXPOSED TO EXTREME HEAT.

## Physical/Chemical Properties

### HCC:

### NRC/State Lic No:

### Net Wt For Amm:

### Boiling Point:

### B.P. Text:

N/K

### Melt/Freeze Pt:

### M.P/F.P Text:

N/K

### Decomp Temp:

### Decomp Text:

N/K

### Vapor Pres:

N/K

### Vapor Density:

<1

### Volatile Org Content %:

### Spec Gravity:

1.01

### VOC Pounds/Gallon:

### PH:

>7

### VOC Grams/Liter:

### Viscosity:

N/P

### Evaporation Rate:

N/P

### Appearance and Odor:

APPEARANCE: LIQUID. ODOR: AMMONIA

### Percent Volatiles by Volume:

N/K

### Corrosion Rate:

N/K

## Reactivity Data

### Stability Indicator:

YES

### Stability Condition To Avoid:

EXTREME HEAT

### Materials To Avoid:

STRONG BASES/OXIDANTS. PRODUCTS: ACID

### Hazardous Decomposition Products:

ACRID SMOKE, OXIDES OF CARBON, TOXIC NITROGENOUS OXIDES, AMMONIA.

### Hazardous Polymerization Indicator:

NO

### Conditions To Avoid Polymerization:

REACTION W/EPOXY RESINS IN LARGE AMOUNTS/UNDER UNCONTROLLED CONDITIONS RELEASES CONSIDERABLE HEAT & ACRID FUMES.

## Toxicological Information

### Information:

N/P

## MSDS Transport Information

### Information:

N/P

## Regulatory Information

### Other Information:

N/P

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