

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-411/41137-60-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
41137-60-4

**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
11,14-DIOXA-2,9-DIAZAHEPTADEC-16-ENOIC ACID-, 4,

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT DETERMINED

**Code:**  
M

**OSHA STEL:**  
N/P

**Code:**

**ACGIH TLV:**  
NOT DETERMINED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
NOT APPLICABLE.

**Ventilation:**  
7 USE IN WELL-VENTILATED AREA.

**Protective Gloves:**  
NITRILE.

**Eye Protection:**  
AVOID EYE CONTACT.

**Other Protective Equipment:**  
Equipment NO DATA PROVIDED BY MANUFACTURER.

**Work Hygienic Practices:**  
DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER. WASH HANDS AFTER HANDLING AND BEFORE EATING. DO NOT INGEST.

**Supplemental Safety and Health:**  
NOTE FROM DLA-HMIS STAFF: FOR COMPLETE LISTING OF ALL ID NMBERS/UPC OBTAIN ORIGINAL MSDS AT:  
[HTTP://PRODUCTS.3M.COM/US/MSDS/SEARCHRESULTS.JHTML](http://PRODUCTS.3M.COM/US/MSDS/SEARCHRESULTS.JHTML)

## Health Hazards Data

**LD50LC50Mixture:**  
NO DATA PROVIDED BY MANUFACTURER

**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:**  
EYE: MILD EYE IRRITATION: SKIN: ALLERGIC SKIN REACTION, MILD SKIN IRRITATION (AFTER PROLONGED OR REPEATED CONTACT).  
INHALATION: IRRITATION (UPPER RESPIRATORY). IF SWALLOWED: SWALLOWING A RELATIVELY LA RGE AMOUNT OF THIS MATERIAL IS UNLIKELY TO PRODUCE SERIOUS ILLNESS OR DEATH.

**Explanation Of Carcinogenicity:**  
NO DATA PROVIDED BY MANUFACTURER.

**Signs And Symptoms Of Overexposure:**  
EYE: REDNESS, SWELLING, PAIN AND TEARING. SKIN: REDNESS, SWELLING, BLISTERING AND ITCHING. SKIN: REDNESS, SWELLING AND ITCHING. INHALATION: SORENESS OF THE NOSE AND THROAT, COUGHING AND SNEEZING.

**Medical Cond Aggravated By Exposure:**  
NO DATA PROVIDED BY MANUFACTURER.

**First Aid:**  
EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. I MMEDIATELY WASH SKIN WITH SOAP AND LARGE AMOUNTS OF WATER. REMOVE CONTAMINATED CLOTHES. WASH CONTAMINTAED CLOTHES BEFORE REUSE. INHALATION: REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIA L RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET IMMEDIATE MEDICAL ATTENTION. IF SWA

**Spill Release Procedures:**  
CLEAN UP RESIDUE. PLACE IN A CLOSED CONTAINER. REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION AND PERSONAL PROTECTIVE E QUIPMENT. CLEAN UP RESIDUE. PLACE IN A CLOSED CONTAINER.

**Neutralizing Agent:**  
6 NO DATA PROVIDED BY MANUFACTURER

**Waste Disposal Methods:**  
DISPOSE OF WASTE PRODUCT IN A SANITARY LANDFILL.

**Handling And Storage Precautions:**  
STORE IN A COOL PLACE. STORE OUT OF DIRECT SUNLIGHT . KEEP CONTAINER DRY.

**Other Precautions:**  
NO DATA PROVIDED BY MANUFACTURER.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/A

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/D

**Lower Limits:**  
N/D

**Upper Limits:**  
N/D

**Extinguishing Media:**  
NON-COMBUSTIBLE. CHOOSE MATERIAL SUITABLE FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
NOT DETERMINED.

**Unusual Fire/Explosion Hazard:**  
NOT DETERMINED.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
N/A

**Vapor Density:**  
N/A

**Volatile Org Content %:**

**Spec Gravity:**  
CA. 2.1 G/ML

**VOC Pounds/Gallon:**

**PH:** N/A

**VOC Grams/Liter:**

**Viscosity:**  
CA. 300000 CPS

**Evaporation Rate & Reference:**  
NIL 8

**Solubility in Water:**  
N/D

**Appearance and Odor:**  
TOOTH COLORED PASTE WITH SLIGHT ACRYLATE ODOR

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

**Corrosion Rate:**  
N/P

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
STABLE

**Materials To Avoid:**  
NONE KNOWN.

**Hazardous Decomposition Products:**  
NONE KNOWN.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
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