

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-272/27247-96-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

27247-96-7

Code:

M

RTECS:**Code:**

X

Name:

2-ETHYLHEXYL NITRATE

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 OR EQUIVALENT RESPIRATOR FOR VAPORS OR MISTS. USE A PRESSURE-DEMAND, SELF-CONTAINED BREATHING APPARATUS FOR ENTRY INTO LARGE TANKS, VESSELS OR ENCLOSED SMALL SPACES W/INADEQUATE VENTILATION.

Ventilation:

GENERAL

Protective Gloves:

IMPERMEABLE

Eye Protection:

CHEMICAL SPLASH GOGGLES

Other Protective Equipment:

Equipment N/K

Work Hygienic Practices:

REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

ORAL LD50 INFORMATION IS FOR OCTYNITRATE. 4

Health Hazards Data

LD50LC50Mixture:

ORAL (ALBINO RAT): >9.6 G/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: IRRITATION. INGESTION: BLOOD PRESSURE DEPRESSION & FAINTING. INHALATION: HARMFUL, NAUSEA, DIZZINESS, VOMITING, STUPOR, UNCONSCIOUSNESS, CYANOSIS, & HEADACHE. SKIN: DEFATTING, IRRITATION, & DERMA TITIS.

Explanation Of Carcinogenicity:

NONE

Signs And Symptoms Of Overexposure:

EYES: IRRITATION. SKIN: DEFATTING, IRRITATION, & DERMATITIS. INHALATION: NAUSEA, DIZZINESS, VOMITING, STUPOR, UNCONSCIOUSNESS, CYANOSIS, & HEADACHES. INGESTION: BLOOD PRESSURE DEPRESSION & FAINTING.

Medical Cond Aggravated By Exposure:

N/K

First Aid:

EYES: FLUSH W/WATER FOR 15 MINS. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. TREAT SYMPTOMS. INGESTION: IF UNCONSCIOUS, HAVING TROUBLE BREATHING OR IN CONVULSIONS, DON'T INDUCE VOMITING OR GIVE WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:

DIKE TO PREVENT FURTHER MOVEMENT. VENTILATE AREA. CONTAIN W/ABSORBENT MATERIAL, SUCH CLAY/SOIL OR COMMERCIALY AVAILABLE ABSORBENT. SHOVEL RECLAIMED LIQUID & ABSORBENT INTO RECOVERY/SALVAGE DRUMS FOR DISPOSAL.

Neutralizing Agent:

N/K

Waste Disposal Methods:

AS A HAZARDOUS LIQUID WASTE, IT MUST BY SOLIDIFIED W/STABILIZING AGENTS SUCH AS SAND/FLY ASH/CEMENT SO THAT NO FREE LIQUID REMAINS BEFORE DISPOSAL TO A LICENSED INDUSTRIAL WASTE LANDFILL ACCORDING TO LOCAL, STATE, & FEDERAL REGULATIONS. 3

Handling And Storage Precautions:

KEEP CONTAINER CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY CONTAIN RESIDUAL PRODUCT. DON'T REUSE CONTAINER UNLESS PROPERLY RECONDITIONED.

Other Precautions:

DON'T GET IN EYES, ON SKIN OR CLOTHING. AVOID BREATHING VAPOR/SMOKE/FUMES. DON'T TAKE INTERNALLY. USE W/ADEQUATE VENTILATION.

Fire and Explosion Hazard Information

Flash Point Method:

PMCC

Flash Point:**Flash Point Text:**

136F

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

DRY CHEMICAL, FOAM, CO₂, OR OTHER CLASS B EXTINGUISHING AGENT

Fire Fighting Procedures:

USE WATER SPRAY OR FOG TO COOL FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard:

KEEP CONTAINERS COOL TO PREVENT VAPOR PRESSURE BUILDUP LEADING TO RUPTURE. AUTOIGNITION TEMPERATURE: 370F FOR OCTYNITRATE.

Physical/Chemical Properties

HCC:**NRC/State IC No:****Net Prop WT For Ammo:****Boiling Point:****N/P Text:****N/P/F.P Text:****N/P/F.P Text:****Decomp Temp:**

N/A

Decomp Text:

N/A

Vapor Pres:

N/K

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

0.85

VOC Pounds/Gallon:

N/A

PH:

N/K

VOC Grams/liter:

N/A

N/Viscosity:

N/A

Evaporation Rate & Reference:

N/K

Solubility in Water:

INSOLUBLE

Appearance and Odor:

CLOUDY YELLOW LIQUID W/HYDROCARBON ODOR

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability/SPARKS/FLAMES To Avoid:

HEAT, SPARKS, FLAMES

Conditions To Avoid Polymerization:

N/K

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: