

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

ACGIHSTEL:
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 VEN TILATION.

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 Symptions 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 VOMITIN G 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 COMMERCIALLY 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:

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 OCTYLNITRATE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

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:
N/K

Volatile Org Content %:

Spec Gravity:
0.85

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

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 Condition To Avoid:
HEAT, SPARKS, FLAMES

Materials To Avoid:
STRONG OXIDIZERS SUCH AS CHLORINE/PEROXIDES/CHROMATES/NITRIC ACID/PERCHLORATES/CONCENTRATED OXYGEN/PERMANGANTES

Hazardous Decomposition Products:
CO, CO2, NITROGEN OXIDES, TOXIC FUMES

Hazardous Polymerization Indicator:
NO

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