

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-454/4549-40-0.html> for suppliers of this product.

Composition/Information on Ingredient

4549-40-0
Code:
M

RTECS:
YZ0875000
Code:
M

Name:
N-NITROSOMETHYL VINYLAMINE (SARA 313) (CERCLA)

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIH STEL:
N/P

Respiratory Protection:
NONE REQUIRED FOR NORMAL USE

APPROVED ORGANIC VAPOR RESPIRATOR.

Ventilation:
LOCAL EXHAUST IS RECOMMENDED FOR CONFINED AREAS. GENERAL MECHANICAL VENTILATION IS ADEQUATE FOR NORMAL USE. 7

Protective Gloves:
CHEMICAL RESIST GLOVES, (PVC).

Eye Protection:
SAFETY GLASSES. SPLASH PROOF GOGGLES.

Other Protective Equipment:
Equipment EYE BATH AND SAFETY SHOWER.

Work Hygienic Practices:
FOLLOW CURRENT H.M.I.S. REGULATIONS.

Supplemental Safety and Health:
NONE

LD50LC50Mixture:

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
YES

IARC:
YES

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: EYES-MODERATE IRRITANT. SKIN-MODERATE IRRITANT. INHALATION-HIGH CONCENTRATIONS OF VAPORS MAY PRODUCE IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, DIZZINESS, AND NAUSEA. INGESTION-SIMILAR TO INHALATION. CHRONIC: PROLONGED REPEATED OVEREXPOSURE TO THIS PRODUCT MAY LEAD TO SKIN SENSITIZATION OR DERMATITIS.

Explanation Of Carcinogenicity:
CHROMIUM: IARC MONOGRAPHS, VOL 49, PG 49, 1990: GRP 1. NTP 6TH ANNUAL RPT ON CARCINS, 1991: KNOWN TO BE CARCIN. (SUPPORT DATA)

Signs And Symptoms Of Overexposure:
INHALATION-HIGH CONCENTRATIONS OF VAPORS MAY PRODUCE IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, DIZZINESS, & NAUSEA. SKIN-MODERATE IRRITATION. INGESTION-NAUSEA AND VOMITING.

Medical Condition Aggravated By Exposure:
SKIN DISORDERS, RESPIRATORY DISORDERS.

First Aid:
EYES: FLUSH WELL WITH WATER FOR AT LEAST 15 MINUTES. CONTACT A PHYSICIAN IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP & WATER. INHALE: REMOVE PATIENT TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. INGEST: DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

Spill Release Procedures:
PREVENT SKIN & EYE CONTACT. USE NON-COMBUSTIBLE MATERIAL TO CONFINE &/OR ABSORB. ELIMINATE IGNITION SOURCES. VENTILATE AREA.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
6 REMOVE TO A WASTE DISPOSAL FACILITY OPERATING IN COMPLIANCE WITH FEDERAL, STATE & LOCAL REGULATIONS. HAZ WASTE CODES: D001 (IGNITABILITY); U031 (BUTYL ALCOHOL). RQ: 100 LBS.

Handling And Storage Precautions:
"EMPTY" CONTAINER RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS.

Other Precautions:
DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND/EXPOSE SUCH CONTAINERS TO HEAT, SPARKS, FLAMES, STATIC

Flash Point Method:

Flash Point:

Flash Point Text:
-156F,-104C

Autoignition Temp:

Autoignition Temp Text:
N/K

Lower Limits:
1.38%

Upper Limits:
36.5%

Extinguishing Media:
CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:
FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS IN CONFINED AREAS.

Unusual Fire/Explosion Hazard:
VAPORS ARE HEAVIER THAN AIR & MAY TRAVEL ALONG GROUND, OR BE MOVED BY VENTILATION & BE IGNITED BY IGNITION SOURCE.

HCC:

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
10F-275F

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:
0.86 (H2O=1)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
>1 (BUTYL ACETATE=1)

Solubility in Water:
APPRECIABLE 8

Appearance and Odor:
BLUE OPAQUE LOW VISCOSITY LIQUID W/SWEET SOLVENT ODOR.

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Stability Indicator:
YES

Stability Condition To Avoid:
HEAT, SPARKS OPEN FLAMES.

Materials To Avoid:
STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:
OXIDES OF CARBON.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

Toxicological Informa

MSDS Title:

Regulatory Information

Similar Products Information: N/A

Other Information

For D8-D use

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any