

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-682/682-01-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
682-01-9
Code:
T

RTECS:

Code:
X

Name:
TETRAPROPYL ORTHOSILICATE Environmental Wt: Oth

Other REC Limits:
N/K

OSHA PEL:
3.2 MG/M3 (FUME)
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
2 MG/M3 (FUME)
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
SUITABLE RESPIRATOR: ORGANIC VAPOR TYPE

Ventilation:
LOCAL EXHAUST RECOMMENDED. MECHANICAL (GENERAL): RECOMMENDED

Protective Gloves:
N/P

Eye Protection:
USE CHEMICAL WORKER GOGLES.

Other Protective Equipment:
Equipment THESE PRECAUTIONS ARE FOR ROOM TEMPERATURE HANDLING. USE AT ELEVATED TEMPERATURES, OR AEROSOL/ SPRAY APPLICATIONS. MAY REQUIRE ADDED PRECAUTIONS.

Work Hygienic Practices:
WASHING AT MEALTIME AND END OF SHIFT IS ADEQUATE. REMOVE CONTAMINATE CLOTHING AND SHOES AS SOON ASA PRACTICAL AND CLEAN THOROUGHLY BEFORE REUSE.

Supplemental Safety and Health:
USE RESPIRATORY PROTECTION UNLESS LOCAL EXHAUST VENTILATION IS ADEQUATE OR AIR SAMPLING DATA SHOW EXPOSURES ARE WITHING TLV AND PEL GUIDELINES.

Health Hazards Data

LD50LC50Mixture:
N/P

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: DIRECT CONTACT IRRITATES SLIGHTLY WITH REDNESS AND SWELLING. SKIN: A SINGLE RELATIVELY SHORT EXPOSURE (LESS THAN 24 HOURS) IRRITATES. REPEATED PROLONGED CONTACT (24 TO 48 HOURS) IRRITATES SERI OUSLY, MAY BURN MILDLY. INHALATION: SHORT VAPOR EXPOSURE MAY CAUSE DROWSINESS AND IRRITATE NOSE AND THROAT. DEGREE OF EFFECTS DEPENDS ON CONCENTRATION AND LENGTH OF EXPOSURE. ORAL: SMALL AMOUNTS TRANSFERRED TO THE MOUTH BY FINGERS DURING USE ETC. SHOULD NOT INJURE. SWALLOWING LARGE AMOUNTS MAY

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
PROLONGED OVEREXPOSURES TO 2METHOXYETHANO FORMED ON EXPOSURE TO WATER OR HUMID AIR, MAY CAUSE BIRTH DEFECTS BASED ON ANIMAL DATA.

Medical Cond Aggravated By Exposure:
N/P

First Aid:
EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WIPE OFF AND FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS. INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF ILL EFFECTS PERSIST. ORAL: GET MEDICAL ATTENTION. DO NOT INDUCE VOMITING. COMMENT: INHALING LIQUID WHILE VOMITING CAN INJURE LUNGS SERIOUSLY. IF VOMITING O CCURS KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO LUNGS.

Spill Release Procedures:
USE ABSORBENT MATERIAL TO COLLECT AND CONTAIN FOR SALVAGE OR DISPOSAL. REMOVE ALL SOURCES OF IGNITION AND WEAR PROPER PROTECTION EQUIPMENT.

Neutralizing Agent:
N/P

Waste Disposal Methods:
DOW CORNING SUGGESTS THAT ALL LOCAL STATE AND FEDERAL REGULATIONS CONCERNING HEALTH AND POLLUTION BE REVIEWED TO DETERMINE APPROVED DISPOSAL PROCEDURES. CONTACT DOW CORNING IF THERE ARE ANY DISPOSAL QUESTIONS.

Handling And Storage Precautions:
KEEP CONTAINER CLOSED AND AWAY FROM MOISTURE, HEAT, SPARKS AND OPEN FLAME.

Other Precautions:
N/P

Fire and Explosion Hazard Information

Flash Point Method:
TCC

Flash Point:
=17.2C, 63.F

Flash Point Text:
63F 3

Autoignition Temp:

Autoignition Temp Text:
N/P

Lower Limits:

Upper Limits:

Extinguishing Media:
WATER, WATER FOG X CO2 X DRY CHEMICAL X FOAM X OTHE

Fire Fighting Procedures:
SELFCONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING SHOULD E WORN IN FIGHTING FIRES INVOLVING CHEMICALS.

Unusual Fire/Explosion Hazard:
VAPORS ARE HEAVIER THAN AIR AND CAN TRAVEL ALONG THE GROUND TO REMOTE IGNITION SOURCES. STATIC ELECTRICITY MAY ACCUMULATE AND IGNITE VAPORS. PREVENT A POSSIBLE FIRE HAZARD BY SUITABLE MEANS SUCH AS , BONDING AND GROUNDING, INERT GAS PURGE, VAPOR DILUTION AND THE LIKE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:
=404.4C, 760.F

B.P. Text:
760MMHG

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/P

Vapor Pres:
25MMHG

Vapor Density:
3.8

Volatile Org Content %:
95

Spec Gravity:
0.76 4

VOC Pounds/Gallon:

PH: N/P

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/P

Solubility in Water:
N/P

Appearance and Odor:
RED LIQUID/ SOLVENT ODOR

Percent Volatiles by Volume:
N/P

Corrosion Rate:
N/P

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXPOSURE TO MOISTURE OR HUMID AIR UNTIL READY TO USE.

Materials To Avoid:
OXIDIZING MATERIAL CAN CAUSE A REACTION, MOISTURE OR HUMID AIR

Hazardous Decomposition Products:
TITANIUM DIOXIDE, SILICON DIOXIDE, CARBON DIOXIDE, AND TRACES OF INCOMPLETELY BURNED CARBON PRODUCTS.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
N/P

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