MATERIAL SAFETY DATA SHEET For R&D use only. Not for drug, household or other uses.

Cas:

540-82-9 Code:

RTECS:

Code: Μ

Name:

WT1101700

Other REC Limits:

NOT ESTABLISHED

OSHA PEL:

OSHA STEL:

ACGIH TLV:

ACGIHSTEL:

Ventilation:

Protective Gloves:

Eye Protection:

RUBBER RECOMMENDED

Other Protective Equipment:

Work Hygienic Practices:

LD50LC50Mixture:

YES

Skin: NO

YES

NO

IARC: NO

OSHA: NO

NONE

First Aid:

WATER.

Spill Release Procedures:

Waste Disposal Methods:

Handling And Storage Precautions:

Neutralizing Agent: NOT RELEVANT

TIGHTLY CLOSED.

Other Precautions:

Flash Point Method:

TOC

N/K

FIRE.

HCC: F2

Flash Point:

Flash Point Text: 65.0F,18.3C

Autoignition Temp:

Lower Limits: UNKNOWN

Upper Limits: UNKNOWN

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

Physical/Chemical Properties

WITH WATER SPRAY.

NRC/State LIC No: NOT RELEVANT

Boiling Point:

Melt/Freeze Pt:

M.P/F.P Text: UNKNOWN

Decomp Temp:

Decomp Text: UNKNOWN

Vapor Pres: 33 @ 77F

Vapor Density:

Spec Gravity:

VOC Pounds/Gallon:

VOC Grams/Liter:

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

NOT RELEVANT

Information:N/P

Information:N/P

UNKNOWN

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid: FLAME, EXCESSIVE HEAT, SPARKS

Hazardous Decomposition Products:

Hazardous Polymerization Indicator:

Conditions To Avoid Polymerization:

Toxicological Information

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Look for Chemicals

www.lookchem.com

Other Information:N/P

MSDS Transport Information

STRONG OXIDIZING AGENTS, ALDEHYDES, HALOGENS AND CONCENTRATED MINERAL ACIDS

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terms and conditions of sale.

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

guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from

handling or from contact with the above product. See reverse side of invoice or packing slip for additional

CARBON MONOXIDE, CARBON DIOXIDE, SILICON OXIDES MAY BE FORMED.

Evaporation Rate & Reference: 1.5 (N-BUTYL ACETATE=1)

CLEAR, COLORLESS LIQUID - ALCOHOL ODOR

0.800

6.06

PH: N/R

Viscosity: **UNKNOWN**

SOLUBLE

91

YES

NO

Volatile Org Content %:

B.P. Text: 172F,78C

Net Prop WT For Ammo:

Autoignition Temp Text:

Ingestion:

Supplemental Safety and Health:

Health Hazards Data

LD50 (ORAL, RAT) IS UNKNOWN.

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

Fire and Explosion Hazard Information

Route Of Entry Inds - Inhalation:

NOT ESTABLISHED

Control Measures

PRES SURE SELF-CONTAINED BREATHING APPARATUS.

SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

PROTECTIVE CLOTHING FOR RISK OF EXPOSURE.

Respiratory Protection:

Code:

Code:

Code: Μ

Code:

Μ

NONE RECOMMENDED

ETHYL SULFURIC ACID/ETHYL SULFATE

Composition/Information on Ingredient

Click http://www.lookchem.com/cas-540/540-82-9.html for suppliers of this product.

NONE NORMALLY REQUIRED. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR AIR-PURIFYING RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-

MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW

Equipment SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY. WEAR APPROPRIATE

TARGET ORGANS: EYES, SKIN, CNS, RESPIRATORY & GI TRACTS. ACUTE- INHALE: EXCESSIVE INHALATION CAN CAUSE NASAL

IRRITATION, TEARING, DEFATTING AND DRYING OF SKIN, HEADACHE, DIZZINESS, WEAKNESS, NAUSEA, VOMITING, DIARRHEA

PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED CNS OR RESPIRATORY FUNCTION MAY BE MORE

CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN: WASH WITH SOAP & WATER. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL: IF

REMOVE IGNITION SOURCES. VENTILATE AREA. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. EARTH.

CONSCIOUS, DRINK WATER &INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR

VERMICULITE. TRANSFER TO A CONTAINER FOR DISPOSAL. WASH AREA WITH DETERGENT SOLUTION AND RINSE THOROUGHLY WITH

3 DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. INCINERATION OR RECYCLING IS RECOMMENDED.

STORE IN COOL, VENTILATED AREA, AWAY FROM FLAMES, SPARKS, HOT SURFACES & INCOMPATIBLE MATERIALS. KEEP CONTAINER

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE

USE DRY CHEMICAL OR CARBON DIOXIDE FOR SMALL FIRE. USE FOAM (ALCOHOL, POLYMER/ORDINARY) AND WATER SPRAY FOR LARGE

WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS

VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS

CONTAMINATED CLOTHING PROMPTLY. LAUNDER BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

DRYING. ORAL: MAY CAUSE STOMACH CRAMPS, NAUSEA, VOMITING & DIARRHEA. CHRONIC- UNKNOWN.

IRRITATION, CNS EFFECTS, NARCOTIC REACTION. EYE: WILL CAUSE IRRITATION. SKIN: PROLONGED/REPEATE D CONTACT MAY CAUSE

OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. 4

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A OR B, SAME NSN.