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

MATERIAL SAFETY DATA SHEET

Click http://www.lookchem.com/cas-556/556-67-2.html for suppliers of this product. Composition/Information on Ingredient

USE IN A WELL-VENTILATED AREA. USE NIOSH APPROVED RESPIRATORY PROTECTION IF TLV IS EXCEEDED, OR

Equipment EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). WEAR PROTECTIVE CLOTHING.

PHYSICAL/CHEMICAL PROPERTIES: ODOR THRESHOLD: 2.14 PPM; DENSITY: 982.6 KG/M3; ACID/ALKALINITY: <15 PPM;

ACUTE: INGEST: HARMFUL. CAUSES VOMIT, NAUS, & DIARR. IRRIT OF MOUTH, THROAT, & STOM. ASPIR CAN BE A HAZ IF SWALLOWED. SKIN: CAUSES DRYING. MAY BE ABSORBED THRU SKIN & CONTRIBUTE TO SYMPS LISTED UNDER INGEST. INHAL: EXCESS INHAL CAUSES HDCH, DIZZ, NAUS, & INCOORD. CAUSES IRRIT OF MOUTH, NOSE, & THROAT. HARMFUL. CAN CAUSE UNCON. MASSIVE INHAL IMMED DANGEROUS TO LIFE & HLTH. EYES: MAY CAUSE SEV IRRIT. CAUSES REDNESS & TEARING, & BLURRED VISION. SUBCHRONIC (TARGET

HLTH HAZ: CHRONIC EFTS: TOLUENE AND BENZENE APPEAR ON THE NAVY OCCUP CHEM REPRO HAZ LIST. SEEK CONSULTATION FROM

INGEST: DO NOT INDUCE VOMITING. SLOWLY DILUTE WITH 1-2 GLASSES OF WATER OR MILK AND SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SKIN: REMOVE CONTAMINATED CLOTHING AN D LAUNDER BEFORE REUSE. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR. IF NOT

BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUT H. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL

WIPE, SCRAPE OR SOAK UP WITH AN INERT MATERIAL AND PUT IN A CONTAINER FOR DISPOSAL. WEAR PROPER PROTECTIVE EQUIPMENT AS SPECIFIED IN THE PROTECTIVE EQUIPMENT SECTION. REMOVE SOURCES OF IGNITION. WARN OTHER WORKERS OF

DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. INCINERATION RECOMMENDED IN

USE GROUND STRAP. RECOMMENDED STORAGE IN ORIGINAL CONTAINER BELOW 30C (85F). KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID BREATHING VAPORS, IF EXPOSED TO HIGH VAPOR CONCENTRATION, LEAVE AREA AT ONCE. AVOID CONTACT WITH SKIN

APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS INFO (FP N).

RESPIRATORY, LIVER, KIDNEY, DERMAL AILMENTS, CENTRAL NERVOUS SYSTEM DISORDERS.

SPILL. INCREASE AREA VENTILATION. PERSONS NOT TRAINED SHOULD EVACUATE AREA.

APPROVED INCINERATOR, ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

WEAR NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). FLAMMABLE.

SENSITIVITY TO STATIC DISCHARGE IS EXPECTED; MATERIAL HAS A FLASH POINT BELOW 200F.

VOC (EPA METHOD 24): 435 G/L; SOLUBILLITY IN ORGANIC SOLVENT (STATE SOLVENT): SOLUBLE, TOLUENE.

EXHAUST VENTILATION. USE IN A WELL-VENTILATED AREA. MECHANICAL VENTILATION.

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

OSHA PEL: NΡ Code: **OSHA STEL: NP**

Cas: 556-67-2 Code: Τ

RTECS: GZ4397000

Code: Τ

Name:

NΡ

Code:

NP Code:

NΡ Code:

ACGIH TLV:

ACGIHSTEL:

Ventilation:

Protective Gloves: RUBBER GLOVES.

Eye Protection:

Control Measures

OVEREXPOSURE IS LIKELY.

Other Protective Equipment:

Supplemental Safety and Health:

Health Hazards Data

Route Of Entry Inds - Inhalation:

Work Hygienic Practices:

LD50LC50Mixture:

YES

Skin: YES

YES

IARC: NO

OSHA: NO 2

N/P

First Aid:

Ingestion:

SEE INGREDIENTS SECTION.

Carcinogenicity Inds - NTP:

Health Hazards Acute And Chronic:

ORGAN) EFTS: DERM, RESP AILME

Explanation Of Carcinogenicity:

Signs And Symptions Of Overexposure:

Medical Cond Aggravated By Exposure:

ATTENTION. EYES: IMMEDIATELY FLUSH W

Spill Release Procedures:

Waste Disposal Methods:

Handling And Storage Precautions:

AND EYES. USE ONLY IN A WELL-VENTILATED AREA.

WARNING. FLAMMABLE. DO NOT INHALE VAPORS.

Fire and Explosion Hazard Information

Neutralizing Agent:

Other Precautions:

Flash Point Method:

TCC

Flash Point: =1.7C, 35.F

Flash Point Text:

Autoignition Temp: =536.1C, 997.F

Lower Limits:

Upper Limits:

Extinguishing Media:

Fire Fighting Procedures:

Unusual Fire/Explosion Hazard:

Physical/Chemical Properties

ALL STANDARD FIREFIGHTING MEDIA.

1.2%

7.0%

HCC:

NRC/State LIC No:

Boiling Point: =111.1C, 232.F

Melt/Freeze Pt:

M.P/F.P Text:

Decomp Temp:

Decomp Text:

Vapor Pres: 22 MM HG @ 20C

Vapor Density: 3.2(AIR=1)

Spec Gravity: 0.99 (WATER=1)

PH: N/K 4

Viscosity:

NEGLIGIBLE

N/P

45

N/P

YES

NO

VOC Pounds/Gallon:

VOC Grams/Liter:

Evaporation Rate & Reference:

CLEAR LIQUID WITH AROMATIC ODOR.

1.9 (BUTYL ACETATE =1)

Appearance and Odor:

Percent Volatiles by Volume:

Reactivity Data

Stability Condition To Avoid:

CONTACT WITH OXIDIZING AGENTS.

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

KEEP AWAY FROM HEAT, SPARKS AND FLAME.

THERMAL DECOMPOSITION PRODUCTS INCLUDE CARBON MONOXIDE, CARBON DIOXIDE, SILICON DIOXIDE, FORMALDEHYDE.

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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

WARRANTY

terms and conditions of sale.

Solubility in Water:

Corrosion Rate:

Stability Indicator:

Materials To Avoid:

Information:N/P

Information:N/P

Volatile Org Content %:

N/A

N/P

B.P. Text:

Net Prop WT For Ammo:

Autoignition Temp Text:

N/P

Respiratory Protection:

Other REC Limits:

OCTAMETHYLCYCLOTETRASILOXANE; ACUTE ORAL LD50: >6