

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-800/8000-41-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

8000-41-7

Code:

M

RTECS:

Code:

X

Name:

TERPENE ALCOHOL

Other REC Limits:

N/E

OSHA PEL:

N/E

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

N/E

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. IF EXPOSURE EXCEEDS TLV, USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE.

Ventilation:

LOCAL EXHAUST

Protective Gloves:

POLYETHYLENE

Eye Protection:

WEAR GOGGLES IF LIKELY TO CONTACT EYES.

Other Protective Equipment:

Equipment SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:

WASH THROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health:

CONT'D FROM HEALTH HAZARDS-KIDNEY & LIVER DAMAGE,CNS DEPRESSION,GI IRRITATION,IF ASPIRATED INTO LUNGS MAY RESULT IN SEVERE LUNG DAMAGE. CHRONIC:KIDNEY & LIVER INJURY,LEAD POISONING,SEVERE DAMAGE TO BLOOD-FORMING,NERVOUS,URINARY AND REPRODUCTIVE SYSTEM,LUNG DAMAGE. NOTE:THIS MSDS IS A FORMULATION CHANGE. 7

Health Hazards Data

LD50/LC50 Mixture:

LD50 (ORAL RAT) IS UNKNOWN

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

ACUTE-EYES:MOD.IRRITATING,CORNEAL INJURY.SKIN:MOD.IRRITATING,SKIN DAMAGE,DEFATTING,DRYING,DERMATITIS,INHALATION:IRRITATION TO NOSE,THROAT,RESPIRATORY TRACT,OTHER MUCOUS MEMBRANES,CNS DEPRESSION,PERMANENT BRAIN & CNS DAMAGE.HARMFUL OR FATAL.INGESTION:MOD_TOXIC,KIDNEY DAMAGE,RED BLOOD CELL HEMOLYSIS,*SEE SUPPLEMENT DATA*

Explanation Of Carcinogenicity:

LEAD PHOSPHITE-POSSIBLY CARCINOGENIC (IARC). ANTIMONY TRIOXIDE-SUSPECTED CARCINOGEN (ACGIH). 2-BUTANONE-FETOTOXIC (MFR).

Signs And Symptoms Of Overexposure:

EYE,SKIN,RESPIRATORY AND GASTRO-INTESTINAL IRRITATION. HEADACHE,DIZZINESS,NAUSEA,SYMPTOMS OF INTOXICATION,UNCONSCIOUSNESS,DEATH. LOSS OF APPETITE,METALLIC TASTE,ANXIETY,CONSTIPATION,NAUSEA,PALLOR,EXCESSIVE TIREDNESS,WEAKNESS,INSOMNIA,NERVOUS IRRITABILITY,muscle and joint pain,fine tremors,numbness,hyperactivity,COLIC. 5

Medical Cond Aggravated By Exposure:

PRE-EXISTING EYE,SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY THIS PRODUCT. IMPAIRED CENTRAL NERVOUS SYSTEM FUNCTIONS FROM PRE-EXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

First Aid:

EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.SEEK PROMPT MEDICAL ATTENTION. SKIN:REMOVE CONTAMINATED CLOTHING AND SHOES.FLUSH WITH SOAP AND WATER.IF IRRITATION PERSISTS,SEE DOCTOR. INHALATION:REMOVE TO FRESH AIR.GIVE OXYGEN/CPR IF NEEDED.SEEK PROMPT MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMIT.IF VOMIT OCCURS,KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION INTO LUNGS.SEE DOCTOR IMMEDIATELY.

Spill Release Procedures:

EVACUATE PERSONNEL. VENTILATE AREA. WEAR RESPIRATOR AND PROTECTIVE CLOTHING. ABSORB IN INERT ABSORBENT AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND SEAL.

Neutralizing Agent:

NONE APPLICABLE FOR THIS MATERIAL

Waste Disposal Methods:

CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.

Handling And Storage Precautions:

KEEP LIQUID AND VAPOR AWAY FROM HEAT,SPARKS AND FLAME.EXTINGUISH PILOT LIGHTS,CIGARETTES,OTHER IGNITION SOURCES.HOT SURFACES MAY IGNITE PRODUCT.

Other Precautions:

VAPORS MAY ACCUMULATE AND TRAVEL A LONG DISTANCE ALONG GROUND AND FLASHBACK.KEEP CONTAINERS CLOSED WHEN NOT IN USE.USE WITH ADEQUATE VENTILATION.EMPTY CONTAINERS CAN CONTAIN EXPLOSIVE VAPORS.DO NOT CUT,WELD,DRILL,GRIND NEAR CONTAINERS.

Fire and Explosion Hazard Information

Flash Point Method:

PMCC

Flash Point:

Flash Point Text:

21.0F,-6.1C

Autoignition Temp:

N/A

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K 6

Extinguishing Media:

USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.

Fire Fighting Procedures: USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:

UNUSUAL FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS,CONTAINER MAY EXPLODE;COOL WITH WATER.

Physical/Chemical Properties

FCC:

NRC/State Lic No:

NRC

Net Prop WT For Ammo:

N/A

Boiling Point:

N/A

B.P. Text:

N/A

Melt/Freeze Pt:

N/A

Decomp Temp:

N/A

Decomp Text:

UNKNOWN

Vapor Pres:

N/A

Vapor Density:

>1/10R=1/1

Volatile Org Content %:

Volatile Org Content %:

Spec Gravity:

1.14

VOC Pounds/Gallon:

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

N/A

Viscosity:

N/P

Evaporation Rate & Reference:

N/A

Solubility in Water:

NOT GIVEN

Appearance and Odor:

LUBRICANT, SOLID FILM

Percent Volatiles by Volume:

79.9

Corrosion Rate:

UNKNOWN

Reactivity Data:

N/A

Stability Condition To Avoid:

N/A

Hazardous Polymerization Indicator:

N/A

Conditions To Avoid Polymerization:

N/A

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

Other Information: N/P