

GUM TURPENTINE

MSDS Number

BHBSS

National Stock Number

8010-00N008983

Product Name

GUM TURPENTINE

Manufacturer

PINE DERIVATIVES MARKETING INC

Product Identification

Product ID:GUM TURPENTINE

MSDS Date:11/22/1985

FSC:8010

NIIN:00N008983

MSDS Number: BHBSS

Responsible Party

PINE DERIVATIVES MARKETING,INC.

3512-8 SILVERSIDE ROAD

WILMINGTON , DE 19810

US

Emergency Phone: 302-478-9768

Info Phone: 302-478-6704

Cage: PINED

Contractor

PINE DERIVATIVES MARKETING,INC.

WILMINGTON, DE 19810

US

302-478-6704

Cage: PINED

Ingredients

TURPENTINE

CAS: 8006-64-2

RTECS: YO8400000

Fraction By Weight: 100%

OSHA PEL100 PPM

ACGIH TLV: 100 PPM; 9192

Hazards

LD50 LC50 Mixture:SEE SUPP DATA

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:MAY CAUSE PREDISPOSITION TO PNEUMONIA AND CHRONIC NEPHRITIS,CHRONIC EXPOS CAN PRODUCE ALLERGENIC SENSITIZATION.CAN CAUSE DERMATITIS.MEANS LETHAL DOSE ADULT 4-6 OZ.POSSIBLY TERATOGENIC EFFECTS EXIST FO R PREGNENT WOMEN(AIHA JOURNAL,1976,423-26).UPON MASSIVE EXPOS TO TURPENTINE,ATTN SHOULD BE DIRECTED TOWARD KIDNEY FUNCTN
Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES:IRRIT & DMGING.CAN CAUSE CONJUNCT OR CORNEAL BURNS.VAP CAN IRRIT EYES AT 175 PPM.SKIN:CAN CAUSE CHEM BURNS.CAN PENETRATE SKIN TO PRODUCE SYS EFFECTS.INGEST:CAN PRODUCE NAUSEA,SERIOUS ILLNESS OR E VEN DEATH.INHAL:IRRIT.CAN PRODUCE HDACH,DIZZINESS,VERTIGO,CHEST PAIN,BRONCH.PULM EDEMA,CYANOSIS,NARCOSIS & ACCEL PULSE.
Medical Cond Aggravated by Exposure:N/K

First Aid

First Aid:EYES:IMMED FLUSH W/ RUNNING WATER FOR AT LEAST 15 MIN.GET MED ATTN IMMED.SKIN:REMOVE CONTAM CLTHG PROMPTLY.LAUNDER BEFORE REUSE.GET MED ATTN IF IRRIT PERSISTS,INGEST:GET MED HELP PROMPTLY STOMACH PUMP ING & LAVAGE MAY BE REQUIRED.GIVE EDIBLE OIL/WHITE MINERAL OIL TO DRINK.DO NOT INDUCE VOMIT.ASPIRATION A HAZ IF VOMIT OCCURS.INHAL:MOVE TO FRESH AIR.GET MED ATTN FOR EXCESS EXPOS OR IF IRRIT PERSISTS.

Fire Fighting

Flash Point Method:TCC
Flash Point:91F.33C
Lower Limits:0.(% BY VOL
Upper Limits:N/K
Extinguishing Media:CARBON DIOXIDE,DRY CHEMICAL OR FOAM.WATER MAY BE INEFFECTIVE.
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP .USE WATER TO COOL FIRE-EXPOSED CNTNRS.DIKE AREA TO PREVENT RUNOFF.
Unusual Fire/Explosion Hazard:WHEN HEATED,MATERIAL IS A MODERATE FIRE AND EXPLOSION HAZARD,HAZARDOUS DECOMPOSITION PRODUCTS:CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Accidental Release

Spill Release Procedures:PROVIDE ADEQ EXPLO PROOF VENTIL TO REMOVE FUMES FROM SPILL AREA.WHERE EXPOS LEVEL IS NOT KNOWN,WEAR NIOSH APPRVD POS PRESS SCBA & FULL PROT EQUIP.PICK UP W/ ABSORB MATL & PLACE IN WASTE DISPOS CNTNR.F LUSH AREA W/ H*20.AVOID BRTHG OF VAP & CONT W/ LIQ
Neutralizing Agent:N/K

Handling

Handling and Storage Precautions:STORE IN WELL-VENT,COOL DRY AREA AWAY FROM SOURCES OF HEAT & IGNIT.NO SMOKING IN STOR/USE AREAS.AVOID OPEN FLAME.AVOID BRTHG OF VAP & SKIN & EYE CONT.
Other Precautions:USE OF BONDING & GROUNDING OF CNTNRS FOR ATIC SPARKS.EMPTIED CNTNRS RETAIN VAP & PRODUCE RESIDUE.WARNING STATEMENTS:FLAMM LIQ & VAP.HARMFUL IF INHALED.IRRIT TO SKIN & EYES.PENETRATES SKIN.

Exposure Controls

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN .
Ventilation:LOCAL AND GENERAL VENTILATION NECESSARY TO KEEP AIR CONCENTRATION BELOW TLV .
Protective Gloves:IMPERVIOUS RUBBER.
Eye Protection:CHEMICAL WORKERS GOGGLES (
Other Protective Equipment:PROVIDE EYE BATH AND SAFETY SHOWER IN AREA OF USE.
Work Hygienic Practices:N/K
Supplemental Safety and Health
AUTOIGNIT TEMP:476F,247C.VP:4 MMHG @ 68F,20C.SATURATION IN AIR:0.5% BY VOL @ 68F,20C & 760 MMHG REF IND:473 & 68F,20C.LD50-LC50 MIX:A & B-PINENE:LD50 RAT ORAL 3700->5000 MG/KG (ACUTE).TURPENTINE:LDLO HUMAN ORAL 500 MG/KG,LC50 HUMAN INHAL 175 PPM (IRRITANT EFFECTS).

Chemical Properties

Boiling Pt:B.P. Text:311-345F
Melt/Freeze Pt:M.P/F.P Text:N/K
Decomp Temp:Decomp Text:N/K

Vapor Pres:SEE SUPP
Vapor Density:4.84 AIR=1
Spec Gravity:0.8650 (H*20@1)
Evaporation Rate & Reference:N/K
Solubility in Water:0.023% BY WT. 20-25C
Appearance and Odor:CLEAR,COLORLESS LIQ W/ CHARACTERISTIC PINACEOUS
ODOR.PERCEPTION THRESHOLD:Percent Volatiles by Volume: +99

Stability

Stability Indicator/Materials to Avoid:YES
ACIDS OR ACIDIC MATERIAL AND STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:MATL CAN UNDERGO AUTOOXIDATION IN AIR &
GENERATE HEAT WHICH CAN BUILD UP IN CONFINED SPACES CAUSING
CPONTANEOUS COMBUST.
Hazardous Decomposition Products:CARBON MONOXIDE AND/OR CARBON DIOXIDE.
Conditions to Avoid Polymerization:MAY OCCUR FROM CONTAMINATION WITH
ACIDS.

Disposal

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH
FEDERAL,STATE AND LOCAL REGULATIONS .BURNING IS RECOMMENDED FOR
WASTE DISPOSAL USING AN APPROVED INCINERATOR.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.