MATERIAL SAFETY DATA SHEET

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

Click http://www.lookchem.com/cas-142/142-82-5.html for suppliers of this product.

Composition/Information on Ingredient

Cas:
142-82-5
Code:
M

RTECS:
MI7700000
Code:
T

Name:
N-HEPTANE Environmental Wt: Other REC Limits: N

Other REC Limits:
N/P

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NOT GENERALLY REQUIRED UNLESS NEEDED TO PREVENT RESPIRATORY IRRITATION. IF EXPOSURE TO CONCENTRATIONS ABOVE THE RECOMMENDED EXPOSURE LIMITS IS POSSSIBLE, USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHI NG APPARATUS (SCBA).

Ventilation:
USE ADEQUATE VENTILATION TO CONTROL CONCENTRATION BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:
USE GLOVES RESISTANT TO MATERIAL (BUNA-N OR POLYVINYL ALCOHOL).

Eye Protection:
USE SAFETY GLASSES WITH SIDE SHIELDS. FOR SPLASH, CHEMICAL GOGGLES/FACE SHIELD.

Other Protective Equipment:
Equipment N/P 5

Work Hygienic Practices:
WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE RESUE. USE WITH ADEQUATE VENTILATION.

Supplemental Safety and Health:
NOTE: PERSONAL PROTECTION INFORMATION IS BASED ON GENERAL INFORMATION, NORMAL USES & CONDITIONS. WHERE SPECIAL OR UNUSUAL CONDITIONS EXIST, IT IS SUGGESTED THAT THE EXPERT ASSISTANCE OF AN INDUSTRIAL HYGIENIST OR OTHER QUALIFIED PROFESSIONAL BE SOUGHT.

Health Hazards Data

LD50LC50Mixture:
ORAL LD50(RAT): N/P

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
NO KNOWN APPLICABLE INFORMATION. TARGET ORGAN TOXIN: ANIMAL, HUMAN. SPECIFY-LUNG-ASPIRATION HAZARD.

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
3 ACUTE EFFECTS: EYE-MAY CAUSE MILD IRRITATION. SKIN-MAY CAUSE BURNING & ITCHING, ESPECIALLY AFTER PROLONGED/DIRECT CONTACT WITH LIQUID. INHALATION-MAY CAUSE IRRITATION TO MUCOUS MEMBRANES OF THE RESPIR ATORY TRACT, NAUSEA, LOSS OF APPETITE, LASSITUDE, LIGHT-HEADEDNESS, GIDDINESS, DIZZINESS & INCOORDINATION. RESPIRATORY ARREST, CONVULSIONS, SEMI-CONSCIOUSNESS OR UNCONSCIOUSNESS MAY RESULT FROM EXTREM E EXPOSURE. INGESTION-MAY CAUSE WEAKNESS & GASTROINTESTINAL TRACT IRRITATION. IF SWALLOW

Medical Cond Aggravated By Exposure:
N/P

first Aid:
EYE: FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15MINUTES. IF IRRITATION OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION. SKIN: WASH SKIN WITH SOAP AND WATER FOR AT LEAST 15 MINUTES. IF IRRITATI ON OR ADVERSE SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION. INHALATION: REMOVE FROM EXPOSURE. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING CEASES, ADMINISTER ARTIFICIAL RESPIRATION FOLLOWED BY OXY GEN. SEEK IMMEDIATE MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDI

Spill Release Procedures:
EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS IF EXPOSURE CONDITIONS WARRANT. SHUT OFF SOURCE, IF POSSIBLE AND CONTAIN SPILL. PROTECT FROM IGNITION. KEEP OUT OF WATER SOURCES AND SEWERS. ABSORB IN DRY, INERT MATERIAL. TRANSFER TO DISPOSAL DRUMS USING NON-SPARKING EQUIPMENT.

Neutralizing Agent:
N/P

Waste Disposal Methods:
ASSURE CONFORMITY WITH ALL APPLICABLE DISPOSAL REGULATIONS. INCINERATE OR PLACE IN PERMITTED WASTE MANAGEMENT FACILITY.

Handling And Storage Precautions:
STORE IN TIGHTLY CLOSED CONTAINER. STORE IN A WELL-VENTILATED AREA. KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. BOND AND GROUND DURING TRANSFER. HEPTANE WILL ATTACK SOME FORMS OF PLASTIC AND RUBBER.

Other Precautions:
AVOID CONTACT WITH EYES, SKIN, CLOTHING. AVOID BREATHING VAPORS, MIST, FUME OR DUST. DO NOT SWALLOW, MAY BE ASPIRATED INTO LUNGS. WEAR PROTECTIVE EQUIPMENT AND/OR GARMETS DESCRIBED IN PERSONAL PROTECT ION SECTION IF EXPOSURE CONDITIONS WARRENTS.

Fire and Explosion Hazard Information

Flash Point Method:
4 TCC

Flash Point:
=-3.7C, 25.F

Flash Point Text:

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
1.0

Upper Limits:
7.0

Extinguishing Media:
DRY CHEMICAL, FOAM OR CARBON DIOXIDE

Fire Fighting Procedures:
EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. SHUT OFF SOURCE, IF POSSIBLE. USE SCBA & OTHER PROTECTIVE EQUIPMENT AND/OR GARMENTS IF CONDITIONS WARRANT. WATER FOG OR SPRAY MAY BE USED TO COOL EXPOSED CONT AINERS & EQUIPMENT. DO NOT SPRAY WATER DIRECTLY ON FIRE, PRODUCT WILL FLOAT & COULD BE REIGNITED ON SURFACE OF WATER.

Unusual Fire/Explosion Hazard:
CARBON OXIDES FORMED WHEN BURNED. HIGHLY FLAMMABLE VAPORS WHICH ARE HEAVIER THAN AIR MAY ACCUMULATE IN LOW AREAS AND/OR SPREAD ALONG GROUND AWAY FROM HANDLING SITE.

Physical/Chemical Properties

HCC:
F2

NRC/State LIC No:
NONE

Net Prop WT For Ammo:

Boiling Point:
=98.3C, 209.F

B.P. Text:

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
83 MM

Vapor Density:
3.4

Volatile Org Content %:

Spec Gravity:
0.688

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
UNKNOWN

Evaporation Rate & Reference:
>1 (BUTYL ACETATE=1)

Solubility in Water:
NEGLIGIBLE

Appearance and Odor:
CLEAR LIQUID, MILD, SWEET ODOR.

Percent Volatiles by Volume:
100

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NOT APPLICABLE 6

Materials To Avoid:
OXYGEN AND STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:
CARBON OXIDES FORMED WHEN BURNED.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NONE. WILL NOT OCCUR.

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

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