

HEPTANE

MSDS Number

BHBYR

National Stock Number

6810-00-470-4631

Product Name

HEPTANE

Manufacturer

FISHER SCIENTIFIC CHEMICAL DIV

Product Identification

Product ID:HEPTANE
MSDS Date:02/15/1989
FSC:6810
NIIN:00-470-4631
MSDS Number: BHBYR

Responsible Party

FISHER SCIENTIFIC, CHEMICAL DIV.

1 REAGENT LANE

FAIR LAWN , NJ 07410

US

Emergency Phone: 201-796-7100 OR 201-796-7523

Info Phone: 201-796-7100

Preparer: GASTON L. PILLORY

Cage: 1B464

Contractor

PHIPPS PRODUCTS CORP

BOSTON, MA 02111-2403

US

OUT OF BUSINESS

Cage: 86511

Ingredients

N-HEPTANE

CAS: 142-82-5

RTECS: MI7700000

Fraction By Weight: >99.8%

OSHA PEL500 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9293

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:PRODUCT IS MILDLY IRRITATING TO BODY
TISSUES. IT WILL DEFAT AND DRY SKIN. IT DEPRESSES THE CENTRAL
NERVOUS SYSTEM AND MAY PRODUCE CHEMICAL PNEUMONITIS OR PULMONARY
EDEMA IF ASPIRATED INTO LUNGS.
Explanation of Carcinogenicity:THE COMPONENTS OF THIS PRODUCT HAVE NOT
SHOWN ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:EYE:IRRITATION SKIN:DRYING,DEFATING,ESPECIALLY WITH PROLONGED/REPEATERD XONTACT. INHALED:OVEREXPOSURE MAY LEAD TO RESPIRATORY IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, UNCONSCIOUSNESS, DERMA TITIS AND EYE IRRITATION. INGESTED:G/I IORRITATION, POSSIBLE ASPIRATION INTO LUNGS IF VOMITING OCCURS. Medical Cond Aggravated by Exposure:PERSONS WITH A SKIN DISORDER SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

First Aid

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE : IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

Fire Fighting

Flash Point Method:CC
Flash Point:24.8F,-4.0C
Autoignition Temp:Autoignition Temp Text:399F
Lower Limits:1.05
Upper Limits:6.7
Extinguishing Media:USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD 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:PRODUCT FLOATS ON WATER AND COOLING WATER MAY SPREAD FIRE. VAPORS ARE HEAVIER THAN AIR AND FLASHBACK ALONG VAPOR TRAIL MAY OCCUR.

Accidental Release

Spill Release Procedures:MINOR: ABSORB MATERIAL WITH CLAY, VERMICULITE, OR SIMILAR ABSORBENT MATERIAL. PLACE IN DISPOSAL CONTAINERS. MAJOR: DIKE & CONTAIN SPILL. ELIMINATE SOURCES OF IGNITION. SHUT OFF LEAKS. REMOVE LIQUID BY VACUUM OR ABSORBENT.

Handling

Handling and Storage Precautions:STORE IN A COOL, VENTILATED WORK AREA. KEEP CONTAINERS CLOSED WHEN NOT IN USE. FLAMMABLE LIQUID; EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.
Other Precautions:LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. GROUND CONTAINERS WHEN TRANSFERRING PRODUCT

Exposure Controls

Respiratory Protection:NONE IS EXPECTED TO BE NECESSARY. USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED WHEN PEL/TLV IS EXCEEDED.
Ventilation:LOCAL AND/OR MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.
Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL
Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.
Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PROCEDURES. AVOID UNNECESSARY CONTACT. DO NOT EAT, DRINK OR SMOKE IN WORK AREA.
Supplemental Safety and Health

Chemical Properties

HCC:F2
Boiling Pt:B.P. Text:208F,
Melt/Freeze Pt:M.P/F.P Text:-132F
Vapor Pres:40 MM
Vapor Density:3.4
Spec Gravity:0.688
Solubility in Water:NEGLIGIBLE
Appearance and Odor:CLEAR, COLORLESS LIQUID - MILD, SWEET ODOR.

Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS - PRODUCT MAY ATTACK PLSTICS,RUBBER,COATINGS.

Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, OPEN FLAMES,
OTHER IGNITION SOURCES.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND
OTHER HYDROCARBON COMPOUNDS DURING COMBUSTION.

Disposal

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR
OR DISPOSED OF I/A/W ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS
AND REGULATIONS.

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