

ASHLAND CHEMICAL COMPANY;INDUST.CHEM&SOLVENTS -- HEPTANE -- 6810-00-955-9245  
===== Product Identification =====

Product ID:HEPTANE  
MSDS Date:05/01/1987  
FSC:6810  
NIIN:00-955-9245  
MSDS Number: BFZBK  
=== Responsible Party ===  
Company Name:ASHLAND CHEMICAL COMPANY;INDUST.CHEM&SOLVENTS  
Box:2219  
City:COLUMBUS  
State:OH  
ZIP:43216  
Country:US  
Info Phone Num:614-790-3333  
Emergency Phone Num:606-324-1133  
CAG  
E:5A188

=== Contractor Identification ===  
Company Name:ASHLAND CHEMICAL CO  
Address:5200 PAUL BLAZEL MEMORIAL PARKWAY  
Box:City:DUBLIN  
State:OH  
ZIP:43017  
Country:US  
Phone:614-889-4505  
CAGE:5A188

===== Composition/Information on Ingredients =====

Ingred Name:N-HEPTANE  
CAS:142-82-5  
RTECS #:MI7700000  
Fraction by Wt: >95.0%  
OSHA PEL:500 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9293

===== Hazards Identification =====

Routes of Entry: Inhalation:YES

Skin:YES Ingestion:YES

Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN

RESPIRATOR G.I.TRACT,CNS

EFFECTS,DIZZINESS,WEAKNESS,NAUSEA,HEADACHE. CHRONIC:CNS EFFECTS

Effects of Overexposure:EYES:IRRITATION. SKIN:MODERATE

IRRITATION,DEFATTING,DERMATITIS. INHALATION:RESPIRATORY

IRRITATION,CNS EFFECTS,DIZZINESS,WEAKNESS,NAUSEA,HEADACHE

INGEST:G.I.TRACT IRRITATION,NAUSEA,VOMITING & DIARRHEA.

Medical Cond Aggravated by Exposure:PRE-EXISTING CONDITIONS MAY BE  
WORSEN.

=====  
===== First Aid Measures =====

First Aid:EYES:FLUSH WITH PLENTY OF WATER,GET MEDICAL ATTENTION.

SKIN:WASH THOROUGHLY WITH SOAP & WATER. INHALATION:REMOVE TO FRESH

AIR:GET MEDICAL ATTENTION. INGESTION:DO NOT INDUCE VOMITING;KEEP

WARM.GET MEDICAL ATTENTION.

=====  
===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:20F/-6.7C

Lower Limits:1.1

Extinguishing Media:FOAM, CO\*2,DRY CHEMICAL.

Fire Fightin

g Procedures:USE NIOSH/MSHA APPROVED SCBA IN AN ENCLOSED  
AREA.

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR  
NEAR DRUM;BECAUSE PRODUCT CAN IGNITE EXPLOSIVELY.

=====  
===== Accidental Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTION;REMOVE ALL  
IGNITION SOURCES.USE SUITABLE ABSORBENT MATERIALS AND RECOVER FOR  
PROPER DISPOSAL.

=====  
===== Handling and Storage =====

Handling a

nd Storage Precautions:STORE IN COOL DRY AND WELL VENTILATED  
;AVOID IGNITION SOURCES.KEEP CONTAINER CLOSED WHEN NOT IN USE.

=====  
===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR FOR ORGANIC  
VAPORS/MIST IF ABOVE TLV/PEL

Ventilation:LOCAL/GENERAL TO MAINTAIN TO MAINTAIN TLV/PEL BELOW THE  
LIMITS.

Protective Gloves:NITRILE RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING  
& BOOTS.

Work Hygienic Practices:AVOID CONTACT WITH SKIN AND EYES;DO NOT BREATHE  
VAPORS/MIST

Supplemental Safety and Health

MSDS RECEIVED BY DGSC-SLM:APRIL 1,1988.

=====  
===== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:B.P. Text:220F/93.3C

Vapor Pres:40 MMHG

Vapor Density:3.5

Spec Gravity:0.704

Evaporation Rate & Reference:2.80 (BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID WITH CHARACTERISTIC ODOR

Percent Volatiles

by Volume:100

=====  
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:TOXIC MATERIALS,CO\*2,CO,VARIOUS  
HYDROCARBONS.

=====  
===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH  
LOCAL,STATE AND FEDERAL REGS.

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.