

ASHLAND DISTRIBUTION CO. & ASHLAND SPECIALTY CHEMICAL CO -- SOLVENT BLEND AA 3-007
-- 8010-01-441-5940

===== Product Identification =====

Product ID:SOLVENT BLEND AA 3-007

MSDS Date:12/01/2000

FSC:8010

NIIN:01-441-5940

Status Code:A

MSDS Number: CKXNZ

=== Responsible Party ===

Company Name:ASHLAND DISTRIBUTION CO. & ASHLAND SPECIALTY CHEMICAL CO

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:U

S

Info Phone Num:614-790-3333/800-274-5263

Emergency Phone Num:1(800)274-5263

Preparer's Name:VICTORIA MORI

CAGE:81355

=== Contractor Identification ===

Company Name:ASHLAND INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Phone:800-622-6846

CAGE:81355

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

Ingred Name:LIGHT ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)

CAS:64742-89-8

Minumum % Wt:51.

Maxumum % Wt:55.

Ingred Name:ISOBUTYL ISOBUTYRATE

CAS

:97-85-8
RTECS #:NQ5250000
Minumum % Wt:20.
Maxumum % Wt:24.

Ingred Name:ISOPROPANOL
CAS:67-63-0
RTECS #:NT8050000
Minumum % Wt:18.
Maxumum % Wt:22.
OSHA PEL:980 MG/M3;400 PPM
ACGIH TLV:983 MG/M3;400 PPM
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:ETHYL ACETATE
CAS:141-78-6
RTECS #:AH5425000
Minumum % Wt:3.
Maxumum % Wt:7.
OSHA PEL:1400 MG/M3;400 PPM
ACGIH TLV:1440 MG/M3;400 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Route
s of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYE: IRRITATION; SKIN: IRRITATION,
DRYING, BURNING; SWALLOWING: LARGE AMOUNTS ARE HARMFUL. CAN GET
INTO LUNGS DURING SWALLOWING OR VOMITING AND DO DAMAGE. INHALATION:
BREATHING LARGE AMOUNTS OF VAPOR OR MIST IS HARMFUL.
Effects of Overexposure:SIGNS AND SYMPTOMS OF EXPOSURE TO THIS MATERIAL
THROUGH BREATHING, SWALLOWING, AND/OR PASSAGE OF THE MATERIAL
THROUGH THE SKIN MAY INCLUDE: STOMACH OR
INTESTINAL UPSET (NAUSEA,
VOMITING, DIARRHEA), IRR ITATION (NOSE, THROAT, AIRWAYS), CENTRAL
NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS,
FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS), LOW BLOOD PRESSURE,
MILD TEMPORARY CHANGES IN THE LIVE R, EFFECTS ON THE HEART RATE,
RESPIRATORY DEPRESSION (SLOWING OF BREATHING RATE), LOSS OF
COORDINATION, CONFUSION, LUNG EDEMA, (FLUID BUILDUP IN THE LUNG
TISSUE), KIDNEY DAMAGE, COMA.

===== First Aid

Measures =====

First Aid: EYES-MOVE PERSON FROM EXPOSURE TO FRESH AIR. FLUSH WITH WATER FOR 15 MINUTES WITH EYELIDS OPEN; SEEK MEDICAL AID. SKIN-REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. SEEK MEDICAL AID. LAUNDRY CLOTHING BEFORE REUSE. SWALLOWING-SEEK MEDICAL AID. IF PERSON IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE PERSON ON LEFT SIDE WITH HEAD DOWN. CONTACT PHYSICIAN OR POISON CONTROL CENTER TO SEE WHETHER TO INDUCE VOMITING. INHALATION-MOVE PERSON AWAY FROM EXPOSURE TO FRESH AIR. SEEK MEDICAL AID. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. KEEP PERSON WARM AND QUIET. SEEK MEDICAL AID.

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

Flash Point Method: TCC

Flash Point: 20-30 DEG F

Lower Limits: 1

Upper Limits: 12

Extinguishing Media: REGULAR FOAM, CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures: WEAR A SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPRIATE TURN-OUT GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT. REFER TO THE PERSONAL PROTECTIVE EQUIPMENT SECTION OF THIS MSDS.

Unusual Fire/Explosion Hazard: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCE DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM.

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

Spill Release Procedures: SMALL SPILL-ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. LARGE SPILL-ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES, INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNT

IL

CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE.

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

Handling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTY. SINCE EMPTY CONTAINERS RETAIN RESIDUE (VAPOR, LIQUID, AND/OR SOLID), ALL PRECAUTIONS MUST BE OBSERVED. ALL LARGE PAILS AND METAL CONTAINERS, INCLUDING TANK CARS AND TRUCKS, SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

=====
===== Exposu
re Controls/Personal Protection =====

Respiratory Protection:IF WORKPLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST).

Ventilation:VENTILATION TO MAINTAIN EXPOSURE LEVELS BELOW TLVS.

Protective Gloves:WEAR RESIST

ANT

Eye Protection:GOGGLES OR SAFETY GLASSES.

Other Protective Equipment:IMPERVIOUS CLOTHING/ BOOTS

Supplemental Safety and Health

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

HCC:F2

Boiling Pt:=75.6C, 168.F

Vapor Pres:68.860 MMHG

Vapor Density:>1, AIR=1

Spec Gravity:.786 @77.00F

Evaporation Rate & Reference:SLOWER THAN ETHYL ETHER

Appearance and Odor:LIQUID

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

ACETALDEHYDE, ACIDS, CHLORINE, ETHYLENE

OXIDE, ISOCYANATES, STRONG
ALKALIES, STRONG OXIDIZING AGENTS; DO NOT USE WITH ALUMINUM
EQUIPMENT AT TEMPERATURES ABOVE 120 DEG F.

Stability Condition to Avoid: CAN FORM POTENTIALLY EXPLOSIVE PEROXIDES
UPON LONG STANDING IN AIR.

Hazardous Decomposition Products: MAY FORM: CARBON DIOXIDE AND CARBON
MONOXIDE, VARIOUS HYDROCARBONS.

===== Toxicological Information =====

Toxicological Information: SILICON: LD50 (ORAL, RAT) 3160 MG/KG.
MANGANESE: LD50 (ORAL, RAT) 9,000 MG/KG. IRON: INTRAPERITONEAL
RABBIT LDL0: 20 MG/KG - NO TOXIC EFFECT NOTED.

===== Ecological Information =====

Ecological: NOT AVAILABLE

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. DO NOT DISCHARGE FLUIDS CONTAINING THIS
PRODUCT INTO LAKES, PONDS, OCEANS, OR OTHER WATERS UNLESS IN
ACCORDANCE WITH REQUIREMENTS
OF A NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) PERMIT, AND PERMITTING AUTHORITY HAS
BEEN NOTIFIED IN WRITING PRIOR TO SEWER SYSTEMS .

===== MSDS Transport Information =====

Transport Information: CONTAINER/MODE: 55 GAL DRUM/TRUCK PACKAGE NOS
COMPONENT: NOT APPLICABLE RQ (REPORTABLE QUANTITY) -49 CFR 172.101
PRODUCT QUANTITY: (50000 LBS) COMPONENT: BENZENE

===== Regulatory Information =====

Federal Regulatory Information: CERCLA RQ: ETHYL ACETATE: 5000 LB RQ;
State Regulatory Information: CALIFORNIA CARCINOGENS: BENZENE,
ACETALDEHYDE; NJ RIGHT TO KNOW: NAPHTHA, SOLVENT, 64742-89-8,
ISOBUTYL ISOBUTYRATE, 97-85-8, ISOPROPYL ALCOHOL, 67-63-0, ETHYL
ACETATE, 141-78-6; PA RIGHT TO KNOW: ALIPHATIC PETROLEUM
DISTILLATES: 64742-89-8, 2-PROPANOL: 67-63-0, ACETIC ACID ETHYL
ESTER: 141-78-6

===== Other Information =====

Disclaimer (provi

ded 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.