

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- CSD TT T 306 E TYPE II -- 8010-00-558-7027

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

Product ID:CSD TT T 306 E TYPE II

MSDS Date:07/18/1995

FSC:8010

NIIN:00-558-7027

MSDS Number: BYCLS

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43228

Country:US

Info Phone Num:614

-790-3333

Emergency Phone Num:800-274-5263

CAGE:7L600

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

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

Ingr

ed Name:N-BUTYL ALCOHOL (SARA 313) (CERCLA)
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 21%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:S, C 50 PPM; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ALIPHATIC PETROLEUM DISTILLATES (VM & P NAPHTHA)
CAS:64742-89-8
Fraction by Wt: 60%
Other REC Limits:300 PPM (MFR)

Ingred Name:ISOBUTYL ISOBUTYRATE
CAS:97-85-8
RTECS #:NQ5250000
Fraction by Wt: 10-15%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TOLUENE (SARA 313) (CER
CLA)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 9%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: INHALATION OF LARGE
CONCENTRATION OF VAPOR/MIST MAY CAUSE RESPIRATORY IRRITATION, CNS
EFFECTS
. CONTACT MAY CAUSE SKIN & EYE IRRITATION. INGESTION OF
LARGE AMOUNTS MAY CAUSE CNS EFFECTS; GI TRAC T IRRITATION.
ASPIRATION MAY BE HARMFUL.CHRONIC: PROLONGED/REPEATED EXPOSURE MAY
CAUSE DERMATITIS, CNS EFFECTS.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:INHALED/SKIN ABSORBED/INGESTED (CNS EFFECTS):
DROWSIESS, HEADACHE, DIZZINESS, NAUSEA, LOSS OF COORDINATION,

UNCONSCIOUSNESS, POSSIBLE DEATH. INHALED-COUGHING, WHEEZING, SHORTNESS OF BREATH. INGESTED-N AUSEA, VOMITING, DIARRHEA. Medical Cond Aggravated by Exposure:ANEMIA, EFFECTS ON HEARING, KIDNEYS & CARDIAC DISORDERS.

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

First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES, HOLD LIDS OPEN. SKIN-REMOVE CONTAMINATED CLOTHES. FLUSH WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALED-REMOVE TO FRESH AIR. AD MINISTER OXYGEN O R ARTIFICIAL RESPIRATION AS NEEDED. GETMEDICAL ATTENTION. INGESTED-DO NOT INDUCE VOMITING! SEEK MEDICAL ATTENTIONM.

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

Flash Point Method:TCC
Flash Point:>40F,>4C
Lower Limits:0.9
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVE L TO DISTANT IGNITION SORCE AND IGNITE/FLASHBACK. MAY FORM EXPLOSIVE PEROXIDES. PROPERLY BOND/GROUND IF TRANSFERRING.

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

Spill Release Procedures:ELIMINATE ALL SOURCES OF IGNITION. WEAR PROPER PROTECTIVE EQUIPMENT. VENTILATE AREA. ABSORB ON VERMICULITE, FLOOR ABSORBENT OR SIMILAR MATERIAL. PLACE IN A CONTAINER FOR LATER DISPOSAL. IF LARGE SPILL ALSO ISOLATE & DENY ENTRY. CONTAIN/DIKESPILL.
Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS.
Other Precautions:"EMPTY" CONTAINERS STILL HAVE A HAZARDOUS RESIDUE. TREAT AS IF FULL.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS;

WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR
AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE
WITH 29 CFR 1910.13 4 AND MANUFACTURER'S RECOMMENDATIONS.
Ventilation:USE ADEQUATE EXPLOSION-PROOF MECHANICAL VENTILATION OR
LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:PVA, NITRILE.
Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES.
Other Protective Equipment:AS NEEDED TO PREVENT PROLONGED/REPEATED SKIN
CONTACT. DLA-HMIS: EYE WASH STATION & SAF
ETY SHOWER.
Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING,
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.
Supplemental Safety and Health
MSDS ENTERED BY DLA-HMIS FOR TECHNICAL SUPPORT OF DDRV.

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

HCC:F2
Boiling Pt:=111.C, 231.8F
Vapor Pres:22 MM HG
Vapor Density:>1
Spec Gravity:0.781
Evaporation Rate & Reference: