

CSD INC -- A-A-857-B -- 8010-00-160-5789

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

Product ID:A-A-857-B
MSDS Date:09/04/1996
FSC:8010
NIIN:00-160-5789
MSDS Number: CDXQF
=== Responsible Party ===
Company Name:CSD INC
Address:5 HACKBERRY LANE
Box:687
City:CONROE
State:TX
ZIP:77305
Country:US
Info Phone Num:409-756-1065
Emergency Phone Num:409-756-1065
CAGE:4N760
=== Contractor Identification ===
Company Name:
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
=====

Ingred Name:N-BUTYL ACETATE (SARA 313) CERCLA)
CAS:123-86-4
RTECS #:AF7350000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:150 PPM
ACGIH TLV:20 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA 313) (CERCLA) LD50 4000 MG/KG RABBITS
CAS:108-88-3
RTECS #:XS52

50000
Fraction by Wt: 17.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM
ACGIH TLV:50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LIGHT ALIPHATIC SOLVENT NAPHTHA (SARA 313)
CAS:64742-89-8
Fraction by Wt: NA
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:300 PPM

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA 313) (CERCLA)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 12.0%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:200 PPM/300 STEL
ACGIH TLV:200 PPM/3
00 STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPYNOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM/500 STEL
ACGIH TLV:400 PPM/500 STEL

Ingred Name:N-BUTYNOL ALCOHOL (SARA 313) (CERCLA) LD50 790 MG/KG RAT
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 9.0%
Other REC Limits:50 PPM CEILING
OSHA PEL:100 PPM
ACGIH TLV:50 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

=

LD50 LC50 Mixture:TLV 50 PPM

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: IRRITATION, REDNESS, TEARING, BLURRED VISION, BURNS. SKIN: IRRITATION, DEFATTING, DERMATITIS, ABSORPTION. INHAL: ANESTHETIC, RESP TRACT IRRIT, NS DEPRESSION, DAMAGES KIDNEYS/BLOOD/NERVES/LIVER/LUNGS. INGEST: HARMFUL/FATAL, ABDOMINAL IRRIT, NAUSEA, VOMIT, DIARRHEA.

Medical Cond Aggravated by Exposure:SKIN/LIVER/KIDNEY PROBLEMS.

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

First Aid:EYE: FLUSH W/PLENTY WATER FOR 15 MINUTES, GET MED AID. SKIN: IMMEDIATELY REMOVE CONTAMINATED CLOTHES, WASH BEFORE REUSE. WASH THOROUGHLY W/ SOAP & WATER. INHAL: GET FRESH AIR. IF BREATHING DIFFICULT GIVE OXYGEN. IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION, CALL DR. INGEST: CALL DR IMMEDIATELY. DO NOT INDUCE VOMITING. HAVE PATIENT LIE DOWN & KEEP WARM/QUIET.

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

Flash Point Method:TCC

Flash Point:18.0F,-7.8C

Autoignition Temp:Autoignition Temp Text:555F

Lower Limits:1.6

Extinguishing Media:NFPA CLASS B FIRE EXTINGUISHER, (CARBON DIOXIDE OR FOAM).

Fire Fighting Procedures:WATER SPRAY MAY BE INEFFECTIVE. USE FOG NOZZLES IF WATER IS USED. DON'T ENTER CONFINED SPACE W/OUT FULL BUNKER GEAR. USE NIOSH APPROVED POSITIVE PRESSURE SCBA.

Unusual Fire/Explosion Hazard:ISOLATE FROM OXIDIZERS, IGNITION SOURCES. CLSD C

CONTAINER MAY EXPLODE W/EXTREME HEAT. APPLYING TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. EMPTY CONTAINER VERY HAZ.

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

Spill Release Procedures:STOP SPILL AT SOURCE. DIKE AREA. ABSORB. MOP UP AND DISPOSE OF MATERIAL & EVAC AREA.

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

Handling and Storage Precautions:AVOID FREEFALL OF LIQUID. GROUND CONTAINERS WHEN TRANSFERRING. DO NOT FLAME/CUT/SAW/DRILL

/BRAISE/WELD. EMPTY CONTAINERS VERY HAZARDOUS.

Other Precautions:VAPORS MAY IGNIT EXPLOSIVELY/SPREAD LONG DISTANCES.

DO NOT STORE >120F. STORE LARGE AMOUNTS IN BUILDINGS MADE FOR OSHA CLASS I B LIQUIDS. KEEP CONTAINERS CLOSED/UPRIGHT WHEN NOT IN USE.

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

Respiratory Protection:USE NIOSH APPROVED POSITIVE PRESSURE SCBA. USE EXPLOSION PROOF EQUIPMENT.

Ventilation:LOCAL EXHAUST NECESSARY. MECHANICAL (GENERAL) ACCEPTABLE.

Protective Gloves:IMPERVIOUS.

Eye Protection:GOGGLES OR FACE SHIELD.

Other Protective Equipment:WEAR IMPERVIOUS APRON & FOOTWEAR.

Work Hygienic Practices:WASH CLOTHING BEFORE REUSE.

Supplemental Safety and Health
(MORE INFORMATION ON FILE).

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

Boiling Pt:B.P. Text:173 TO 262F

Vapor Pres:28.2

Vapor Density:3.0

Spec Gravity:0.824

VOC Pounds/Gallon:824

Solubility in Water:APPRECIABLE.

Appearance and Odor:WATER-WHITE LIQUID W/KETONE
ODOR.

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

Stability Indicator/Materials to Avoid:YES
LXIDIZERS.

Stability Condition to Avoid:HEAT.

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL/STATE/FEDERAL
HEALTH & SAFETY POLUTION LAWS.

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

Disclaimer (provided w

ith 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.