

CSD INC -- A-A-857-B -- 8010-00-160-5788

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

Product ID:A-A-857-B

MSDS Date:12/04/1996

FSC:8010

NIIN:00-160-5788

MSDS Number: CHKGF

=== Responsible Party ===

Company Name:CSD INC

Address:5 HACKBURRY LANE

Box:3087

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:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKB

ERRY 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 (CERCLA)(SARA 313)

CAS:123-86-4

RTECS #:AF7350000

Fraction by Wt: NA

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)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: 17.0%

Other REC Limits:NONE RECOMMENDED

OSHA P

EL: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/STEL 300  
ACGIH TLV:200 PPM/STEL 300  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPR  
OPYL ALCOHOL (SARA 313)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: NA  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:400 PPM/STEL 500  
ACGIH TLV:400 PPM/STEL 500

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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestio

n:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYE/SKIN: IRRITATION, DEFATTING,  
DERMATITIS, ABSORPTION THROUGH SKIN, REDNESS, TEARING, BLURRED  
VISION, BURNS. INHAL: ANESTHETIC, IRRITANT, SERIOUS CNS DEPRESSION,  
KIDNEY, BLOOD, NERVES, LUNG DAMAGE. INGEST; HARMFUL OR FATAL,  
ABDOMINAL IRRIT, NAUSEA, VOMITING, DIARRHEA.  
Medical Cond Aggravated by Exposure:SEVERE SKIN, LIVER OR KIDNEY  
PROBLEMS.

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

First Aid:EYE: FLUSH W/WATER 15 MINUTES. GET MED AID. SKIN: REMOVE  
CONTAM CLOTHES. WASH W/SOAP & WATER. WASH CLOTHES BEFORE REUSE.  
DISCARD SHOES. INHAL: GET FRESH AIR. GIVE OXYGEN. GIVE ARTIFICIAL  
RESPIRATION. GET IMMEDIATE MED AID. INGEST: GET IMMEDIATE MED AID.  
DONT INDUCE VOMITING. KEEP PERSON LYING DOWN/WARM. VOMITING MAY  
LEAD TO PNEUMONITIS WHICH CAN BE FATAL.

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

Flash Point  
t Method:TCC  
Flash Point:19.4F,-7.0C  
Autoignition Temp:Autoignition Temp Text:290C  
Lower Limits:1.6  
Extinguishing Media:NFPA CLASS B EXTINGUISHERS, CO2/FOAM. FOR CLASS I B  
LIQUID FIRES.  
Fire Fighting Procedures:WATER SPRAY INEFFECTIVE, BUT EFFECTIVE TO COOL  
CONTAINERS. USE FOG NOZZLES IF WATER IS USED. DONT ENTER FIRE SPACE  
W/O FULL BUNKER GEAR. POSITIVE PRESSURE SCBA.  
Unusual Fire/Explosion Hazard:VAPORS CAN CAUSE FLASH FIRE. CLOSED  
CONTAINERS MAY EXPLODE IF EXPOSED TO EXTREME H  
EAT. EMPTY CONTAINER  
VERY HAZARDOUS.

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

Spill Release Procedures:STOP SPILL AT SOURCE. DIKE/CONTAIN. USE  
ABSORBENT. MOP/DISPOSE. EVACUATE.

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

Handling and Storage Precautions:KEEP FROM IGNITS/OXIDIZERS. USE  
ADEQUATE VENT. AVOID VAPOR/MIST. NO SKIN/EYE CONTACT. AVOID FREE  
FALL LIQ. GROUND CONTAINERS WHEN TRANSFERING.  
Other Precautions:DONT FLAME CUT

/SAW/DRILL/BRAZE/WELD ON CNTNR. EMPTY

CNTNR HAZARDOUS! VAPORS MAY IGNITE EXPLOSIVELY. PREVENT VAPOR BUILD-UP. DONT STORE >49C. STORE LG AMTS IN STRUCTURES PER OSHA CLASS 1B LIQUIDS. KEEP TIGHTLY CLOSED/UPRIGHT.

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

Respiratory Protection:IF >25PPM USE NIOSH APPROVED POSITIVE PRESSURE SCBA.

Ventilation:LOCAL EXHAUST, MECHANICAL (GENERAL)

Protective Gloves:YES

Eye Protection:STANDARD GOGGLES OR FACE SHIELD

Other Pro

ective Equipment:APRON, IMPERVIOUS FOOTWARE.

Supplemental Safety and Health

NK

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

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

Vapor Pres:28.2

Vapor Density:3.0 AIR=1

Spec Gravity:0.824

VOC Grams/Liter:6.86

Solubility in Water:APPRECIABLE

Appearance and Odor:LIQUID, WATER - WHITE, KETONE ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS (PERMANGANATES, CHROMATES, PEROXIDES)

Stability Condition to Avoid:KEEP FROM IGNITABLES

Hazardous Decomposition Products:CO, CO2.

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

Waste Disposal Methods:RECYCLE/DISPOSE PER FEDERAL, STATE, LOCAL REGULATIONS.

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

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