

CSD INC. (OBSOLETE ADDRESS; USE 4N760) -- THINNER DOPE CELLULOSE NITRATE --
8010-00-162-5289

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

Product ID:THINNER DOPE CELLULOSE NITRATE
MSDS Date:09/01/1990
FSC:8010
NIIN:00-162-5289
MSDS Number: BWSDD
=== Responsible Party ===
Company Name:CSD INC. (OBSOLETE ADDRESS; USE 4N760)
Address:420 SEABOARD DRIVE
City:MATTHEWS
State:NC
ZIP:28105-5073
Country:US
Info Phon
e Num:704-821-9822
Emergency Phone Num:704-821-9822
Preparer's Name:DAVID SHIPP
CAGE:5W216
=== Contractor Identification ===
Company Name:CSD INC. (PRE 1985 NAME: MATHEWS, INC)
Address:420 SEABOARD DRIVE
Box:City:MATTHEWS
State:NC
ZIP:28105-5073
Country:US
Phone:704-821-9822
CAGE:5W216

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

Ingred Name:NORMAL BUTANOL (SARA 313) (CERCLA)
CAS:71-36-3
RTECS #:EO1400000
Fraction by Wt: 26%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50

PPM (CEILING)
ACGIH TLV:50 PPM (CEILING)
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:N-BUTYL ACETATE (CERCLA)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 30-60%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:150 PPM;STEL 200 PPM
ACGIH TLV:150 PPM;STEL 200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE (SARA 313) (CERCLA)
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 13%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM
EPA Rpt Qty:1000 LBS
DOT R
pt Qty:1000 LBS

Ingred Name:ETHYL BENZENE (SARA 313) (TECHNICAL GRADE XYLENE CONTAINS
18-20% ETHYL BENZENE.
CAS:100-41-4
RTECS #:DA0700000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM;STEL 125 PPM
ACGIH TLV:100 PPM;STEL 125 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:AMYL ACETATE (CERCLA)
CAS:628-63-7
RTECS #:AJ1925000
Fraction by Wt: 1-10%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:AROMATI

C PETROLEUM DISTILLATES

CAS:64742-95-6

Fraction by Wt: 6%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

Ingred Name:ALIPHATIC HYDROCARBONS (STODDARD TYPE)

CAS:8052-41-3

RTECS #:WJ8925000

Fraction by Wt: 6%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

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

Health Hazards Acute and Chronic:EYE: IRRITATION (STINGING, TEARING & REDNESS). INHALAT

ION: NASAL & RESPIRATORY IRRIT, CENTRAL NERVOUS

SYSTEM EFFECTS (DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS, DEATH. INGEST: GI IRRIT, NAUSEA, VOMITING, DIARRHEA. SKIN: IRRITATION. DRY SKIN (REDNESS, BURNING, DRYING, CRACKING, BURNS).

Medical Cond Aggravated by Exposure:MAY AGGRAVATE PRE-EXISTING

DISORDERS OF THESE ORGANS: SKIN, ANEMIA, LIVER ABNORMALITIES, KIDNEY DAMAGE, EYE DAMAGE, LUNG DAMAGE. CARDIAC ABNORMALITIES, EYE DAMAGE, CENTRAL NERVOUS SY

STEM EFFECTS.

=====
First Aid Measures
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First Aid:SKIN: WASH EXPOSED AREA W/SOAP & WATER.REMOVE CONTAM CLOTHING.WASH CONTAM CLOTHING BEFORE REUSE.REMOVE CONTAM SHOES PROMPTLY.DISCARD SHOES SATURATED W/PRODUCT. EYE: FLUSH W/LRG AMT WATER,LIFTING EYELI DS.GET MED AID. INGEST: DON'T INDUCE VOMITING.KEEP WARM,QUIET,GET MED AID. INHAL: REMOVE TO FRESH AIR.IF BREATHING DIFFICULT,GIVE OXYGEN.IF BREATH STOPPED,GIVE ARTIF RESP.KEEP WARM ,QUIET,GET MED AID.

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Fire Fighting Measures
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Flash Point Method:TCC

Flash Point:38.0F,3.3C

Lower Limits:1.0

Extinguishing Media:REGULAR FOAM OR WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

Unusual Fire/Explosion Hazard:NEVER WELD/CUT TORCH ON/NEAR DRUM(EXPLOSIVE IGNIT).GRND/BOND 5 GAL

&+ WHEN TRANSFERRING VAPOR
HEAVIER THAN AIR, TRAVEL ALONG GROUND/MVD BY VENT & IGNITED AT
DISTANCE.

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

Spill Release Procedures: SMALL: ABSORB LIQ ON VERMIC, FLOOR
ABSORBENT, OTHER ABSORBENT. LRG: ELIM IGNITION SOURCES. EXCLUDE PERSONS
NOT WEARING PROTECT EQUIP. STOP SPILL AT SOURCE. PREVENT FROM
ENTERING DRAINS, SEWERS, STREAMS, OTHER WATER BODIES. PREVENT
SPREADING. IF RUNOFF OCCURS NOTIFY*

Neutralizing Agent: N/K * PROPER
R AUTHORITIES AS REQUIRED
THAT A SPILL HAS OCCURRED.

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

Handling and Storage Precautions: CONTAINERS MAY BE HAZARDOUS WHEN
EMPTIED. FOLLOW HAZARD PRECAUTIONS GIVEN IN MSDS.

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

Respiratory Protection: IF TLV/PEL EXCEEDED, A NIOSH/MSHA APPROVED AIR
SUPPLIED RESPIRATOR ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL
CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER
R NIOSH/MSHA RESPIRATORS

(NEG PRESSURE) UNDER SPECIFIED CONDITIONS (SEE INDUSTRIAL HYGIENIST). #
Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL &/OR LOCAL EXHAUST)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: RESISTANT GLOVES SUCH AS NITRILE RUBBER

Eye Protection: CHEMICAL SPLASH GOGGLES

Other Protective Equipment: TO PREVENT REPEATED OR PROLONGED SKIN
CONTACT, WEAR IMPERMEABLE CLOTHING AND BOOTS.

Supplemental Safety and Health

ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD
BE IMPLEMENTED TO
REDUCE EXPOSURE.

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

HCC: F2

Boiling Pt: B.P. Text: 243F, 117C

Vapor Pres: 8.40 @ 68F

Vapor Density: > AIR

Spec Gravity: 0.854 @ 77F

Evaporation Rate & Reference: SLOWER THAN ETHER

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

Stability Indicator/Materials to Avoid: YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, AND

VARIOUS HYDROCARBONS, ETC.

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

Waste Disposal Methods:SMALL: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. LARGE SPILL: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

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