

CSD INC. (OBSOLETE ADDRESS; USE 4N760) -- THINNER DOPE & LACQUER-CELLULOSE NITRATE  
-- 8010-00-160-5787

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

Product ID:THINNER DOPE & LACQUER-CELLULOSE NITRATE

MSDS Date:10/16/1985

FSC:8010

NIIN:00-160-5787

MSDS Number: BHCYB

=== Responsible Party ===

Company Name:CSD INC. (OBSOLETE ADDRESS; USE 4N760)

Address:420 SEABOARD DRIVE

City:MATTHEWS

State:NC

ZIP:28105-5073

Country:US

Info Phone Num:704-821-9822

Emergency Phone Num:704-821-9822

Preparer's Name:TOMMY QUINLEY

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:ALIPHATIC NAPHTHA

Fraction by Wt: 17% MAX

ACGIH TLV:300 B

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTEC

S #:XS5250000  
Fraction by Wt: 20% MAX  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:N-BUTYL ALCOHOL  
CAS:124-68-5  
RTECS #:UA5950000  
Fraction by Wt: 30% MAX  
ACGIH TLV:100A

Ingred Name:ISOBUTYL ACETATE (SARA III)  
CAS:110-19-0  
RTECS #:AI4025000  
Fraction by Wt: 30-35%  
OSHA PEL:150 PPM  
ACGIH TLV:150 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000

Fraction by Wt: 10-15%  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPANPANOL  
Fraction by Wt: 18%  
ACGIH TLV:400

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Effects of Overexposure:EYE IRRITANT. PROLONGED/REPEATED SKIN CONTACT  
MAY RESULT IN DERMATITIS.SYMPTOMS:RESPIRATORY TRACT IRRITATION,

ANESTHESIA, NAUSEA, VOMITING, LIVER AND KIDNEY DAMAGE, ABSORPTION THROUGH SKIN, BIRTH DEFECTS IN SOME LAB ANIMALS, REPRODUCTIVE SYSTEM EFFECTS IN SOME LAB ANIMALS. BRAIN CELL DAMAGE MAY RESULT FROM INHALATION.

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

First Aid: EYE CONTACT: FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTN. SKIN: WASH WITH LARGE QUANTITIES OF WATER AND SEEK MED. ATTN. IF IRRITATION PERSISTS. INHALATION: MOVE TO FRESH AIR. IF BREATHING STOPS, GIVE CPR. SEEK MEDICAL ATTENTION. INGESTION: CONTACT PHYSICIAN IMMEDIATELY. PHYSICIAN SHOULD CONTACT POISON CONTROL CENTER 213-664-2121 REGARDING VOMITING. (24 HOUR)

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

Flash Point Method: TCC  
Flash Point: 38F 3.33C  
Lower Limits: .9  
Extinguishing Media: USE FOAM, CO2, DRY CHEMICAL FIRE FIGHTING APPARATUS  
Fire Fighting Procedures: THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER MAY BE UNSUITABLE AS EXTINGUISHER, BUT HELPFUL IN KEEPING CONTAINERS COOL.  
Unusual Fire/Explosion Hazard: AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES. KEEP WORK AREAS FREE OF HOT METAL SURFACES AND OTHER SOURCES OF IGNITION.

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

Spill Release Procedures: KEEP SOURCES OF IGNITION AND HOT METAL SURFACES ISOLATED FROM SPILL. FLUSH SPILLED MATERIAL INTO SUITABLE RETAINING AREAS/CONTAINERS WITH LARGE QUANTITIES OF WATER. SMALL AMOUNTS OF SPILLED MATERIAL MAY BE ABSORBED INTO APPROP. ABSORBANT.

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

Handling and Storage Precautions: KEEP PRODUCT CONTAINERS COOL, DRY AND AWAY FROM SOURCES OF IGNITION. USE/STORE PRODUCT W/ADEQUATE VENTILATION. KEEP CONTAINERS CLOSED WHEN NOT USING.  
Other Precautions: PERSONNEL SHOULD AVOID INHALATION AND CONTACT WITH PRODUCT. SHOULD CON

TACT BE MADE, REMOVE SATURATED CLOTHING AND  
FLUSH AFFECTED AREAS WITH WATER.

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

Respiratory Protection:USE NIOSH APPROVED CARTRIDGE RESPIRATOR OR GAS  
MASK.

Ventilation:GENERAL MECHANICAL VENTILATION MAY BE SUFFICIENT.  
SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED.

Protective Gloves:IMPERMEABLE GLOVES

Eye Protection:SAFETY GLASSES, CHEMICAL GOGGLES

Other Protective Equipment:IMPERMEABLE APRONS. AVAILABILITY OF EYE  
WAS

HES AND SAFETY SHOWERS IN WORK AREAS IS RECOMMENDED.

Supplemental Safety and Health

24/08/93 - VAPOR PRESSURE WAS LISTED AS 70 MM. DUE TO A QUESTION TO  
F/P D, CSD WAS CALLED AND THEY SAID THAT V.P. HAS ALWAYS BEEN 24.5  
MM.

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

HCC:F2

Boiling Pt:B.P. Text:175F 79C

Vapor Pres:24.5

Vapor Density:3.0(AIR=1)

Spec Gravity:.824

Evaporation Rate & Reference:4.9 (ETHER =1)

Solubility in Water:5%

Appearance and Odor:CLEAR, LIT

TLE IF ANY COLOR, CHARACTERISTIC ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

AVOID STRONG OXIDIZING AGENTS, STRONG ACIDS OR BASES, SELECTAMINES,  
HALOGENS, HALOGEN CONTAINING COMPOUNDS,STRONG ALKALI

Hazardous Decomposition Products:THERMAL DECOMPOSITION IN THE PRESENCE  
OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.

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

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Waste Disposal Methods:DISPOSE OF PRODUCT IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, FEDERAL, AND STATE REGULATIONS.

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