

Enthone
 Enthone Inc.
 P.O. Box 1900
 New Haven, CT 06508
 (203) 934-8611
 (203) 799-8179 Fax

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Printed 2/16/2001.

Product Name AD2003 THINNER

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY IDENTIFICATION	EMERGENCY TELEPHONE NUMBERS
ALPHA PC FAB/ENTHONE	Transportation:
P.O. BOX 1900	Chemtec, USA, 1-800-424-9300
NEW HAVEN, CT 06508	International: 1-703-527-3887
USA	After Hours Non Transportation
Phone: 1-203-934-8611	Emergency: 1-800-399-6503
Fax: 1-203-799-8179	
PRODUCT CODE	
AD2003	
PRODUCT DESCRIPTION	
Solvent mixture.	
GENERAL USE	
Solvent based thinner/retarder	

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Diethylene Glyc Eth Ether Acet	60.000-100.000	112-15-2

DISCLOSURE:
 This product is hazardous under the criteria of the USA OSHA Hazard Communication Standard 29 CFR 1910.1200.
 Any ingredient claimed as a trade secret will be disclosed in accordance with 29 CFR 1910.1200 (1).
 See Section 8 of this MSDS for any noted exposure limits for these compounds.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Warning!
 Harmful if swallowed.
 Clear liquid. Mild odor.

EYE CONTACT
 Slightly irritating.
SKIN CONTACT
 Slightly irritating with prolonged contact.
INHALATION
 Slightly irritating to the nose and throat.
INGESTION
 Moderately irritating to the mouth, stomach, and digestive tract.
PRIMARY ROUTE OF EXPOSURE
 Skin contact, skin absorption, eye, inhalation, ingestion.
CARCINOGENICITY
 IARC - Not Listed
 OSHA - Not Listed
 NTP - Not Listed
TARGET ORGANS
 Ingredients may be toxic to the following organs:
 Skin, eyes, lungs, mucous membranes.

SECTION 4. FIRST AID MEASURES

EYE CONTACT
 Flush eyes with flowing water for 10 to 15 minutes. Blink eyes frequently. Repeat flushing if burning or pain persists. If problems continue get medical attention.
SKIN CONTACT
 Rinse skin immediately with plenty of water. Then wash skin immediately with soap and water. Remove contaminated clothing. Do not apply lotions or creams without the advice of a physician or poison center. If problems persist get prompt medical attention.
INHALATION
 Remove victim to fresh air. If breathing is difficult get immediate medical attention. If not breathing give artificial respiration and call for emergency medical assistance.
INGESTION
 Do NOT induce vomiting. Rinse mouth with water and allow patient to drink as much water as desired. Contact a poison center or get prompt medical attention if symptoms of irritation persist.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT

Distributed by:
NAZDAR
 8501 Hedge Lane Terrace
 Shawnee, KS 66227
 Phone: 800-677-4657
 www.nazdar.com

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200.00 F 93.33 C

FLASH METHOD

TCC

EXTINGUISHING METHOD

Use carbon dioxide, foam or dry chemical.

FIRE FIGHTING PROCEDURES

Wear self contained breathing apparatus (pressure-demand MSA/NIOSH or equivalent) and full fire fighting protective gear.

FIRE AND EXPLOSION HAZARDS

No unusual fire or explosion hazards.

HAZARDOUS PRODUCTS/COMBUSTION

Not established.

SECTION 6. ACCIDENTAL RELEASE MEASURES

CLEAN-UP

Remove ignition sources. Provide adequate ventilation and/or personal protective equipment (see Section 8). Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Prevent runoff to storm sewers, ditches and other pathways to soil and waterways.

SECTION 7. HANDLING AND STORAGE

HANDLING

Avoid breathing fumes. Do not splash or spill.

STORAGE

Do not store with incompatible materials. Store containers upright. Keep away from heat and flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS

Use local exhaust ventilation.

EYE PROTECTION

Wear safety glasses with side shields or a face shield.

SKIN PROTECTION

Wear chemical resistant rubber gloves and apron.

RESPIRATORY PROTECTION

No respirator is required if ingredient exposure limits are not exceeded. An OSHA approved (29 CFR 1910.134 USA Dept. of Labor), air purifying, half-face respirator with the appropriate cartridge should be used if exposure limits are exceeded.

OTHER PROTECTION

A safety shower and eye wash station should be within reasonable distance of the work area.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG. AGENCY	PEL/TL	STEL	CEIL
Diethylene Glyc Ether Acet	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CEIL Ceiling Exposure Limit
 PEL/TL PEL/TLV
 STEL Short Term Exposure Limit

N/D = Not Determined

UNIT OF MEASURE

PPM Parts Per Million (Liquid)
 MG/M3 Milligrams Per Cubic Meter (Solid)

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR

Colorless liquid, mild odor.

SPECIFIC GRAVITY

1.01

pH FACTOR

N/D

BOILING POINT

423.30 F 217.38 C

VOLATILE ORGANIC COMPOUNDS

VOC - % 100
 VOC - g/L 1019
 VOC - lbs/Gal 8.50

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 SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Oxidizing agents.

DECOMPOSITION

None

POLYMERIZATION

None.

CONDITIONS TO AVOID

Extreme temperatures.

STABILITY

Stable.

 SECTION 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS

Conjunctivial irritation and redness.

DERMAL EFFECTS

Absorption of toxic amounts through the skin is unlikely under ordinary conditions of industrial use.

INHALATION EFFECTS

Animals exposed to a saturated atmosphere at room temperature for 8 hours all survived but were noted to have unspecified lung and kidney damage. Under conditions of normal use, systemic toxicity is very unlikely but high concentrations will produce irritation of the nose, throat and lungs.

INGESTION EFFECTS

Systemic effects are unlikely unless taken in massive amounts.

ACUTE TOXICITY DATA

Enthone is not aware of any toxicity data on the specific mixture of chemical components contained in this product. Data on the individual chemical components of this mixture is available in the literature or can be obtained by contacting Dexter's Health, Safety and Environmental department at the address and telephone number listed in Section 1.

 SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Enthone has not conducted specific studies on the eco toxicity or environmental fate of this product. Commonly available data on certain ingredients indicate that acute or chronic effects could result from uncontrolled releases to soil, ground water, storm waters, or air. Appropriate measures should be taken to prevent uncontrolled releases. Prompt containment and clean-up should be performed if releases do occur (see Section 6).

 SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable Federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product.

It is recommended that the following priority hierarchy be used when selecting a disposal method: (1) Reuse or reintroduction into the process. (2) Reclamation, regeneration or recycling. (3) Burning for energy recovery, or incineration. (4) Treatment.

 SECTION 14. TRANSPORT INFORMATION

DOT/IATA PROPER SHIPPING NAME

Ink Materials

DOT/IATA HAZARD CLASS

Not Regulated

DOT/IATA UN OR NA NUMBER

Not Regulated

DOT/IATA PACKING GROUP

Not Regulated

DOT/IATA LABEL

Not Regulated

DOT/IATA PLACARD

Not Regulated

 SECTION 15. REGULATORY INFORMATION

Component Diethylene Glyc Eth is subject to the following

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Environmental List

311/312 SARA Phy/Hea Haz (40CFR370.40)
 313 SARA toxic chem (40CFR372.65)
 CALIFORNIA PROPOSITION 65
 None.

SECTION 16. OTHER INFORMATION

HAZARDOUS MATERIALS ID. SYSTEM

HMIS		HAZARD RATING		
Health	2	Least	0	Slight 1
Fire	1	Moderate	2	High 3
Reactivity	1	Extreme	4	

WHMIS HAZARD CLASS

D2B

REVISION NO.

001

REVISION DATE

6/05/1996

REVISION SECTION / REASON

Section 1 / PRODUCT NAME, GENERAL USE change

CREATED BY

HSE & R&D, INDUSTRY, CALIF.

APPROVED BY

HSE - California

LIMITATIONS AND DISCLAIMER:

This MSDS relates only to the specific material identified in Section 2. In compiling this MSDS, Enthone has relied in good faith on information provided to Enthone by suppliers of the components of this material, and, in some cases, provided by independent data resources. Enthone has not independently verified such information, and, in addition, users should be aware that all materials may present unknown hazards. Use of this material in combination with other materials and/or in specific processes may render information set forth in this MSDS inaccurate or otherwise invalid.

NO WARRANTY, EXPRESS OR IMPLIED, IS MADE REGARDING THE INFORMATION FURNISHED ON THIS MSDS.

KEY TO ABBREVIATIONS:

EQ = Equal	LT = Less Than
AP = Approximately	GT = Greater Than
N/D = Not Determined	TR = Trace
ND = No Data Available	> = Greater Than
HSE = Health, Safety and Environmental	< = Less Than

