

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 4/15/1997
MSDS NO. HD7400
HD7400 (HD7400)

PAGE 1

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

COMPANY IDENTIFICATION
Dexter Electronic Materials
15051 East Don Julian Road
Industry, CA 91746-1282
USA
Phone: 1-818-968-6511
Fax: 1-818-336-0526

EMERGENCY TELEPHONE NUMBERS
Transportation:
Chemtrec, USA, 1-800-424-9300
International 1-202-483-7616
Non-Transportation:
1-818-916-9107

PRODUCT NAME
HD7400 (HD7400)

PRODUCT CODE
HD7400

PRODUCT DESCRIPTION
Resin blend

GENERAL USE
Solder resist catalyst

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Trade Secret 1966	10.000- 30.000	PROPRIETARY
Trade Secret 1968	10.000- 30.000	PROPRIETARY
Ethylene Glycol Butyl Ether Ac	10.000- 30.000	112-07-2
Triphenylamine Epoxy Resin	40.000- 70.000	2451-42-9

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 (i).

See Section 8 of this MSDS for any noted exposure limits for these compounds.

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Warning!
Causes skin irritation.
Harmful if inhaled.
Combustible liquid and vapor.
White paste. Mild odor.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 4/15/1997
MSDS NO. HD7400
HD7400 (HD7400)

PAGE 2

SECTION 3. HAZARDS IDENTIFICATION
(CONTINUED)

EYE CONTACT
Slightly irritating.

SKIN CONTACT
Slightly irritating. Frequent or prolonged contact may irritate and cause a rash (dermatitis). Repeated exposure may cause allergic skin reactions. Once an allergy develops, even an exposure to a very small amount can trigger an allergic reaction.

INHALATION
Non-irritating to the eyes, nose, throat and lungs.

INGESTION
Slightly 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, respiratory system.

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.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 4/15/1997
MSDS NO. HD7400
HD7400 (HD7400)

PAGE 3

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT
165.00 F 73.88 C

FLASH METHOD
Setaflash Closed Cup

EXTINGUISHING METHOD
Carbon dioxide, foam, dry chemicals, water spray or fog.

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

FIRE AND EXPLOSION HAZARDS
Heat in excess of flashpoint, open flame, or storage with incompatible materials as listed in Stability And Reactivity.

HAZARDOUS PRODUCTS/COMBUSTION
Carbon monoxide, carbon dioxide, oxides of nitrogen.

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.

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 4/15/1997
MSDS NO. HD7400
HD7400 (HD7400)

PAGE 4

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
(CONTINUED)

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.

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG. AGCY	PEL/TL	STEL	CEIL
Trade Secret 1866	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Trade Secret 1868	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Ethylene Glycol Butyl Ether Acetate	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Trifunctional Epoxy Resin	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

White paste. Mild odor.

SPECIFIC GRAVITY

1.26

APR-21-97 MON 16:43

CIRCUIT SUPPLY

FAX NO. 6125911072

P. 09

Tel: 1-817-591-1972

From: DAG

3-29-97 9:35am

p. 5 of 10

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 4/15/1997
MSDS NO. HD7400
HD7400 (HD7400)

PAGE 5

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)

pH FACTOR
N/D

BOILING POINT
N/D F N/D C

VOLATILE ORGANIC COMPOUNDS
VOC - % 17.0
VOC - g/L 214.2
VOC - lbs/gal 1.78

Before use this product must be mixed with another Dexter product .
To obtain VOC data on mixture call 1-818-968-6511 or fax
1-818-336-0526.

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

May cause irritation. No studies have been conducted to evaluate
this product's effect on the eye.

DERMAL EFFECTS

Dermatitis with prolonged contact. Allergic sensitization may occur
with repeated exposure. Absorption of toxic amounts through the
skin is unlikely under ordinary conditions of industrial use.

INHALATION EFFECTS

The human reproductive hazard of the glycol ether(s) contained
in this product is unknown.