



TRANSMISSION SYSTEMS
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FORT EDWARD, NY 12828-1000

EMERGENCY NO.: (518) 761-5693
CHEMTREC: (800) 424-9300

DATE REVISED: March 25, 1996
GE ID NUMBER: ACCJ

I. IDENTITY

PRODUCT NAME: DIELEKTROL®-II FLUID

SYNONYM(s): DK-II

CHEMICAL NAME: N.A.

FORMULA: N.A.

II. INGREDIENTS

<u>COMPONENT(s):</u>	<u>Percent</u>	<u>CAS Number</u>	<u>TWA</u>	<u>STEL</u>
Di-(2-ethylhexyl) phthalate	<70	117-81-7	5 mg/m ³	10 mg/m ³
Trichlorobenzene [TCB]	<30	120-82-1	C 40 mg/m ³	N.E.
Epoxide and Phenolic Stabilizers	< 1	N.A.	N.A.	N.A.

C denotes Ceiling limit

III. PHYSICAL CHARACTERISTICS

INITIAL BOILING POINT @ 1 mmHg: 47°C
MELTING POINT: N.A.
FREEZING POINT: N.D.
VAPOR DENSITY (Air=1): N.D.
VISCOSITY @ 37.8°C: 14 cSt
POUR POINT, Max.: -40°C
APPEARANCE AND ODOR: Clear colorless liquid, faint aromatic odor

SPECIFIC GRAVITY (H₂O=1) @ 20/20°C: 1.12
PERCENT VOLATILE BY VOLUME: N.D.
SOLUBILITY IN WATER @ 25°C: <1%
EVAPORATION RATE: N.D.
REACTIVITY IN WATER: Very Low
VAPOR PRESSURE @ 20°C: <1.0 mmHg

IV. FIRE & EXPLOSION DATA

FLASH POINT (min): 140°C (284°F) COC

AUTO-IGNITION TEMPERATURE: 370°C (698°F)

FLAMMABLE LIMITS IN AIR % BY VOLUME: LOWER: N.D. UPPER: N.D.

EXTINGUISHING MEDIA:

(x) Foam (x) CO₂ (x) Dry Chemical (x) Water Fog () Other

SPECIAL FIRE FIGHTING PROCEDURES: Use protective equipment including self-contained breathing apparatus. Use water to cool fire exposed containers.

UNUSUAL FIRE & EXPLOSIVE HAZARDS: Moderate fire and explosion hazard when heated. Can produce toxic and corrosive degradation and combustion products (hydrogen chloride, carbon monoxide).

V. REACTIVITY DATA

STABILITY: Unstable Stable

CONDITIONS TO AVOID: Do not heat above flash point

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: See fire hazard section.

HAZARDOUS POLYMERIZATION: May Occur Will Not Occur

CONDITIONS TO AVOID: N.A.

VI. HEALTH HAZARDS

OSHA PERMISSIBLE EXPOSURE LIMIT AND ACGIH THRESHOLD LIMIT VALUE:

TIME WEIGHTED AVERAGE (TWA):	DEHP 5 mg/m ³	TCB C 40 mg/m ³
SHORT TERM EXPOSURE LIMIT (STEL):	10 mg/m ³	N.E.

PRINCIPAL ROUTES OF EXPOSURE: Skin contact; inhalation - principally on heating or misting.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE OVEREXPOSURE: Prolonged or repeated skin contact may cause dermatitis. Excessive exposure to vapors is moderately irritating to eyes and mucous membrane.

CHRONIC OVEREXPOSURE: Inhalation of vapor or mist may result in liver damage.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: N.D.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN:

National Toxicology Program	<input checked="" type="checkbox"/> Yes for DEHP	<input type="checkbox"/> No
I.A.R.C. Monographs	<input checked="" type="checkbox"/> Yes for DEHP	<input type="checkbox"/> No
OSHA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

VII. EMERGENCY & FIRST AID PROCEDURES

INHALATION:	Remove to fresh air. Get medical help if irritation persists.
EYES:	Flush promptly with running water for 15 minutes. Get medical help.
SKIN:	Wash contact area promptly with soap and water.
INGESTION:	Induce vomiting. Get medical help.

VIII. TOXICITY DATA

Dielektrol-II contains DEHP, determined to be an animal (rodent) carcinogen. Low acute toxicity (rat oral LD₅₀ 4 g/kg).

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Generally not needed unless product is misted or heated.
EYE PROTECTION:	Safety glasses - goggles for splashing
PROTECTIVE GLOVES:	Rubber, neoprene or butyl gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Eye wash station where splashing can occur.
VENTILATION:	General ventilation combined with local exhaust ventilation when material is heated or misted.

X. PRECAUTIONS & SPILL/LEAK PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	Store in cool place, preferably below 30°C. Store in sealed containers to preserve good electrical properties.
OTHER PRECAUTIONS:	Follow good hygienic practices. Do not eat or smoke where material is used or stored. Emptied containers may contain residual products, keep away from heat, sparks and flames.
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Contain spill; recover liquid via vacuum or by adsorbent material such as saw dust or clay.
WASTE DISPOSAL METHODS:	Incinerate; observe federal, state and local laws

XI. REGULATORY INFORMATION

Department of Transportation
(DOT):

Dielektrol-II is not regulated as a hazardous material under DOT.

SARA:

DEHP is subject to the Toxic Chemical Release Reporting requirements of SARA Section 313.

REPORTABLE QUANTITY (RQ)
UNDER CERCLA:

1 lb. for DEHP (100 lbs. effective Oct. 13, 1989)

NATIONAL FIRE PROTECTION
ASSOCIATION (NFPA) RATING:

[2] HEALTH
[1] FLAMMABILITY
[0] REACTIVITY

HAZARDOUS MATERIAL IDENTIFICATION
SYSTEM (HMIS) RATING:

[2] HEALTH
[1] FLAMMABILITY
[0] REACTIVITY

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4)

These values are obtained using the guidelines or published evaluation prepared by the National Fire Protection Association (NFPA) or, if applicable, the National Paint and Coating Association (for HMIS ratings).

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N.A. - Not Applicable

N.E. - Not Established

N.D. - Not Determined

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