

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT INFORMATION	Hazardous Material Identification System
SUPPLIER: Soltex, Inc. 3707 FM1960 West, Suite 560 Houston, TX 77068	Health [1]
EMERGENCY TELEPHONE NUMBERS: Business Hours: 8:30a.m. - 5:00p.m. - (281) 587-0900 (USA) After Hours: (281) 543-4155 CANUTEC: (613) 996-6666 CHEMTREC: 1-800-424-9300	Flammability [1]
	Reactivity [0]
	Personal Protection [B]
	WHMIS Rating [N/A]
	WHMIS Controlled or Uncontrolled Product (C/U) [U]

MANUFACTURER: OMG Belleville	PRODUCT CODE # T00450/T00451
MATERIAL NAME: Dielectric Fluid DF 45 LOW VISCOSITY OIL FILLED CABLE INSULATING LIQUID	
MATERIAL USE: IMPREGNATING/COOLING/INSULATING LIQUID FOR PAPER INSULATED HIGH VOLTAGE CABLE	

SECTION II - HAZARDOUS INGREDIENTS			
Hazardous Ingredients	Conc. % Wt/Wt	Toxicity Data LD ₅₀ /LC ₅₀	C.A.S. #
BENZENE, mono - C ₁₀₋₁₆ -alkyl derivatives.	100	LD ₅₀ ORAL (RATS) - >2000 mg/kg; LD ₅₀ DERMAL (RATS) - >2000 mg/kg	68890-99-3

SECTION III - PHYSICAL DATA	
Physical State: Gas [] Liquid [X] Solid []	

Odor and Appearance:	MINIMAL ODOR. CLEAR BRIGHT LIQUID.
Odor Threshold (p.p.m.):	NOT AVAILABLE
Vapor Pressure (mm Hg):	<0.1 @ 20°C
pH:	NOT AVAILABLE
Density/15°C:	0.860 KG/LITRE TYPICAL
Vapor Density (Air = 1):	8.4
Evaporation Rate (n butyl acetate = 1):	< 1
Coefficient Of Water/Oil Distribution:	INSOLUBLE IN WATER
Boiling Range:	278 - 316°C
Pour Point:	<-50°C

SECTION IV - FIRE OR EXPLOSION HAZARD	
Flammability Yes [X] No []	If yes, under which conditions: AT TEMPERATURES GREATER THAN TYPICALLY 135°C WHEN EXPOSED TO SPARKS, OPEN FLAMES AND OTHER SOURCES OF
Means of Extinction:	CO ₂ , FOAM, WATER FOG, DRY CHEMICAL. WATER OR FOAM MAY CAUSE
Upper Flammability Limit:	NOT AVAILABLE

Lower Flammability Limit: NOT AVAILABLE
 Auto Ignition Temperature: NOT AVAILABLE
 Hazardous Combustion Products: CO, CO₂, SMOKE
 Flash Point (ASTM D92): 135°C TYPICAL

SECTION IV - FIRE OR EXPLOSION HAZARD (CONTINUED)

Explosion Data - Sensitivity to:

1) Mechanical Impact: STABLE
 2) Static Discharge: STABLE

SECTION V - REACTIVITY DATA

Chemical Stability: If no, under which conditions:
 Stable NOT APPLICABLE
 Unstable

Incompatibility To If so, which ones:
 Other Substances STRONG OXIDIZING AGENTS
 Yes No

Reactivity and under what conditions: NOT APPLICABLE

Hazardous Decomposition Products: NO SPECIAL DECOMPOSITION PRODUCTS

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry:

- 1) Skin Contact: REPEATED OR PROLONGED CONTACT MAY CAUSE REDNESS, IRRITATION OR SCALING OF THE SKIN.
- 2) Eye Contact: LIQUID CONTACT OR EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE IRRITATION
- 3) Ingestion: MAY CAUSE NAUSEA AND VOMITING
- 4) Skin Absorption: NON TOXIC
- 5) Inhalation: NOT APPLICABLE AT AMBIENT TEMPERATURES. PROLONGED EXPOSURE TO HIGH CONCENTRATIONS (I.E. CONFINED SPACE, ELEVATED TEMPERATURE) MAY CAUSE HEADACHES AND DIZZINESS

Toxicologically Synergistic Materials: NONE KNOWN

Effects of Acute Exposure to Material: SEE SPECIFIC ROUTE OF EXPOSURE ABOVE

Effects of Chronic Exposure to Material: SEE SPECIFIC ROUTE OF EXPOSURE ABOVE

Exposure Limit: NOT ESTABLISHED

Irritancy of Material: SEE SPECIFIC ROUTE OF EXPOSURE ABOVE

Sensitization to Material: NON SENSITIZING
Teratogenicity: NON TERATOGENIC
Carcinogenicity: NON CARCINOGENIC
Mutagenicity: NO MUTAGENICITY
Reproductive Effects: NO ADVERSE EFFECTS

SECTION VII - PREVENTATIVE MEASURES

Personal Protective Equipment:
SAFETY GLASSES, IMPERVIOUS RUBBER GLOVES. A NIOSH/MSHA APPROVED ORGANIC VAPOR AIR PURIFYING

Engineering Controls (eg. ventilation, enclosed process, specify):
MECHANICAL VENTILATION IS RECOMMENDED IF THE MATERIAL IS HANDLED IN A MANNER WHICH MAY
GENERATE VAPOR OR MIST, I.E. CONFINED SPACE OR
ELEVATED TEMPERATURE

SECTION VII - PREVENTATIVE MEASURES (CONTINUED)

Leak and Spill Procedure:
CONTAIN WITH ABSORBENT MATERIAL. SCRAPE UP INTO CONTAINERS.

Waste Disposal:
RECLAIM. DISPOSE OF BY LICENSED AND RECOGNIZED OPERATOR.

Storage and Handling Procedures:
NO UNUSUAL PROCEDURES NECESSARY.

Special Shipping Requirements:
NO SPECIAL SHIPPING REQUIREMENTS

Other Regulatory Controls:
SARA/TITLE III - TOXIC CHEMICALS LIST
THIS PRODUCT DOES NOT CONTAIN A TOXIC CHEMICAL FOR ROUTINE ANNUAL "TOXIC CHEMICAL RELEASE
REPORTING" UNDER SEC. 313 (40 CFR 372).

TSCA INVENTORY STATUS: CHEMICAL COMPONENTS LISTED ON TSCA INVENTORY

DOMESTIC SUBSTANCE LIST: CHEMICAL COMPONENTS LIST ON THE DSL

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):
THIS PRODUCT DOES NOT CONTAIN A CHEMICAL KNOWN TO THE STATE TO CAUSE CANCER OR REPRODUCTIVE

NEW JERSEY RIGHT TO KNOW LABELING INFORMATION:
BENZENE, mono, C₁₀₋₁₆-alkyl derivatives CAS #68890-99-3

SECTION VIII - FIRST AID MEASURES

Specific First Aid Measures:
SKIN CONTACT: FLUSH THOROUGHLY WITH WATER. WASH WITH MILD SOAP AND WATER.
EYE CONTACT: FLUSH WITH COPIOUS QUANTITIES OF WATER. SEEK MEDICAL ATTENTION
INGESTION: DO NOT INDUCE VOMITING. OBTAIN MEDICAL ATTENTION.



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INHALATION: MOVE PERSON TO FRESH AIR. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION, OXYGEN OR CARDIOPULMONARY RESUSCITATION IF NECESSARY. OBTAIN MEDICAL ATTENTION.

SECTION IX - SPECIAL NOTES

THIS MSDS REVISION HAS CHANGES IN THE FOLLOWING SECTIONS:

- SECTION I - PRODUCT INFORMATION: Supplier Name
- SECTION X - PREPARATION INFORMATION: Supplier Name, Date, Revision Number, Preparation Info Address, Phone

SECTION X - PREPARATION INFORMATION

Prepared by: TECHNICAL DEPT.
Soltex, Inc.
3707 FM1960 West, Suite 560 Houston, TX 77068

Phone Number: 281 587 0900
Date: February 6, 2006 Revision Number (#11)

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