

## MATERIAL SAFETY DATA SHEET

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

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

| SECTION II - HAZARDOUS INGREDIENTS                     |               |   |            |
|--|---------------|---|------------|
| Hazardous Ingredients                                  | Conc. % Wt/Wt | Toxicity Data LD <sub>50</sub> /LC <sub>50</sub>  | C.A.S. #   |
| BENZENE, mono - C <sub>10-16</sub> -alkyl derivatives. | 100           | LD <sub>50</sub> ORAL (RATS) - >2000 mg/kg;<br>LD <sub>50</sub> 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: 0.850 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** If yes, under which conditions: AT TEMPERATURES GREATER THAN TYPICALLY 130°C WHEN EXPOSED TO SPARKS, OPEN FLAMES AND OTHER SOURCES OF  
Yes [X] No [ ]

**Means of Extinction:** CO<sub>2</sub>, 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, CO<sub>2</sub>, SMOKE  
Flash Point (ASTM D92): 135°C TYPICAL

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**SECTION IV - FIRE OR EXPLOSION HAZARD (CONTINUED)**

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Explosion Data - Sensitivity to:

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

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**SECTION V - REACTIVITY DATA**

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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

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**SECTION VI - TOXICOLOGICAL PROPERTIES**

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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

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**SECTION VII - PREVENTATIVE MEASURES**

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**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

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**SECTION VII - PREVENTATIVE MEASURES (CONTINUED)**

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**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, C<sub>10-16</sub>-alkyl derivatives

CAS #68890-99-3

BIODEGRADABILITY: OECD 301B; > 60% in 28 days.

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**SECTION VIII - FIRST AID MEASURES**

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



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**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 VII – PREVENTATIVE MEASURES: OECD Biodegradability data.

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**SECTION X - PREPARATION INFORMATION**

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

Phone Number: 281 587 0900

Date: August 15, 2006 Revision Number (#12)

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