

**SYNPLAST DOTP DARK ELECTRICAL**Version Number 1.0  
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Print Date 11/4/2011**1. PRODUCT AND COMPANY IDENTIFICATION****POLYONE CORPORATION**  
33587 Walker Road, Avon Lake, OH 44012

NON-EMERGENCY TELEPHONE : Product Stewardship (770) 271-5902

Emergency telephone number : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**

Product name : SYNPLAST DOTP DARK ELECTRICAL

Product code : ZDOTPEDA00

Chemical Name : Dioctyl terephthalate; DOTP

CAS-No. : 6422-86-2

Product Use : Industrial Applications

**2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

There are no known hazardous components above regulatory thresholds in this product.

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

This product has not been evaluated as a whole for health effects. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 3 and 11 for special precautions.

**POTENTIAL HEALTH EFFECTS**

**Routes of Exposure:** : Inhalation, Skin contact, Ingestion

**Acute exposure**

Inhalation : Inhalation of airborne droplets may cause irritation of the respiratory tract.

Ingestion : May be harmful if swallowed.

Eyes : Contact with eyes may cause irritation.

Skin : Experience shows no unusual dermatitis hazard from routine handling.

**Chronic exposure** : Refer to Section 11 for Toxicological Information.

**Medical Conditions Aggravated by Exposure:** : None known.

**4. FIRST AID MEASURES**

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Inhalation	:	Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. Seek medical attention after significant exposure.
Ingestion	:	Do not induce vomiting without medical advice. Seek medical attention if necessary.
Eyes	:	Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, seek medical attention.
Skin	:	Wash off with soap and plenty of water. If skin irritation persists seek medical attention.

**5. FIRE-FIGHTING MEASURES**

Flash point	:	238 °C
Flammable Limits		
Upper explosion limit	:	No data available.
Lower explosion limit	:	No data available.
Autoignition temperature	:	399 °C
Suitable extinguishing media	:	dry powder, foam, carbon dioxide (CO <sub>2</sub> ), Water spray can be used to cool fire exposed surfaces..
Special Fire Fighting Procedures	:	Fullface self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.
Unusual Fire/Explosion Hazards	:	None

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	:	Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
Environmental precautions	:	Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Package all material in appropriate container for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

**7. HANDLING AND STORAGE**

Handling	:	Heat only in areas with appropriate exhaust ventilation.
Storage	:	Keep containers dry and tightly closed to avoid moisture absorption and contamination. Store in a cool dry place.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection : Under normal handling conditions a respirator is not required.
- Eye/Face Protection : Safety glasses with side-shields.
- Hand protection : Protective gloves.
- Skin and body protection : Long sleeved clothing.
- Additional Protective Measures : Safety shoes.
- General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Engineering measures : Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.

#### Exposure limit(s)

There are no known hazardous components above regulatory thresholds in this product.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- |                     |                            |                  |                       |
|---------------------|----------------------------|------------------|-----------------------|
| Form                | : liquid                   | Evaporation rate | : negligible          |
| Appearance          | : viscous, liquid          | Specific Gravity | : 0.983               |
| Color               | : TRANSPARENT              | Bulk density     | : Not applicable.     |
| Odor                | : Very faint               | Vapor pressure   | : <1.0 mm Hg @ 210 °C |
| Melting point/range | : -48°C (-54°F) Pour Point | Vapor density    | : Not determined      |
| Boiling Point:      | : 383 °C                   | pH               | : Not applicable.     |
| Water solubility    | : No data available.       |                  |                       |

### 10. STABILITY AND REACTIVITY

- Stability : Stable.
- Hazardous Polymerization : Will not occur.
- Conditions to avoid : Keep away from oxidizing agents and open flame.
- Incompatible Materials : Incompatible with strong acids and oxidizing agents.
- Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), other hazardous materials, and smoke are all possible.

### 11. TOXICOLOGICAL INFORMATION

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There are no known hazardous components above regulatory thresholds in this product.

### 12. ECOLOGICAL INFORMATION

- Persistence and degradability : Not readily biodegradable.
- Environmental Toxicity : Adverse ecological impact is not known or expected under normal use.
- Bioaccumulation Potential : Does not bioaccumulate
- Additional advice : No data available.

### 13. DISPOSAL CONSIDERATIONS

- Product : Where possible, recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.
- Contaminated packaging : Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

### 14. TRANSPORT INFORMATION

- U.S. D.O.T. / CA T.D.G. Classification (Non-bulk ground) : Not regulated for transportation.
- ICAO/IATA : Not regulated for transportation.
- IMO / IMDG : Not regulated for transportation.

### 15. REGULATORY INFORMATION

#### US Regulations:

- OSHA Status : There are no known hazardous components above regulatory thresholds in this product.
- TSCA Status : All components of this product are listed on the TSCA inventory or are exempt.
- California Proposition 65 : This product does not contain a substance listed by California Prop 65.

#### Canadian Regulations:

- WHMIS Classification : Not controlled.

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DSL : Listed.

## National Inventories:

Australia AICS : Listed.

China IECS : Listed.

Europe EINECS : Listed.

Japan ENCS : Listed.

Korea KECI : Listed.

Philippines PICCS : Listed.

**16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.