

SAFETY DATA SHEET

CONDUCTIVE TOP COAT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CONDUCTIVE TOP COAT

Product Code: CTC-B311

Recommended Use: As a component of an electroluminescent coating system

Uses Advised Against: Uses other than recommended

Supplier: Darkside Scientific
650 W. Smith Road C18
Medina, OH 44256

Telephone Number: 1-855-465-8645

Emergency Contact: Infotrac
Emergency Telephone Number: 1-352-323-3500
Hours of Operation: 24 Hours Per Day / 7 Days Per Week

SECTION 2. HAZARDS IDENTIFICATION

The product is not classified according to the Globally Harmonized System (GHS).

Classification(s): Not Applicable

GHS label elements, including precautionary statements in accordance with 29 CFR 1910 (OSHA Hazard Communication Standard).

Signal Word: Not Applicable

Pictogram(s): Not Applicable

Hazard Statements: Not Applicable

Precautionary Statements: Not Applicable

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition of Product: Mixture
CAS# Not Applicable

INGREDIENTS	CAS#	% m/m
Poly(3,4-ethylenedioxythiophene)-poly(styrenesulfonate) PEDOT/PSS	15090-83-8	5-10%
Ethylene Glycol	107-21- 1	1-5%
Dipropylene glycol dimethyl ether	111109-77-4	<2%

SECTION 4. FIRST AID MEASURES

Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin:	Wash skin immediately with soap and water. If redness, itching, or a burning sensation develops, seek medical attention immediately. Wash contaminated clothing and decontaminate footwear before reuse.
Eyes:	Rinse opened eye for several minutes under running water.
Ingestion:	If symptoms persist consult doctor.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
UN-Suitable extinguishing media:	Not Available
Specific hazards arising from the chemical:	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide, and nitrogen oxides (NOx)
Special protective actions for firefighters:	No special measures required.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

SECTION 7. HANDLING AND STORAGE

Storage:	Store away from foodstuffs. Protect from freezing.
Handling:	No special precautions are necessary if used correctly.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Respiratory Protection:	Use suitable respiratory protective device in case of insufficient ventilation. Filter A/P2
Eye Protection:	Goggles recommended during application.
Hand Protection:	Protective gloves Only use chemical-protective gloves with CE-labeling of category III. Check protective gloves prior to each use for their proper condition. After use of gloves apply skin-cleaning agents and skin cosmetics. Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application. For short use and minimal soiling, we recommend disposable protective gloves made of special nitrile. For longer use and stronger soiling we recommend 4H-Chemicals-Protective-Gloves from the company

SETON.
Penetration time of glove material
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other Protective Equipment:	Protective work clothing
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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES
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Property	Value
Appearance	Liquid
Odor	Characteristic
pH	7-8
Boiling Point	100°C (212°F)
Melting Point	Undetermined
Flash Point	Not Applicable
Explosive Properties	Not Available
Oxidizing Properties	Not Available
Vapor Pressure at 20 °C (68 °F):	23 hPa (17 mm Hg) (calc.)
Density	1 g/cm ³ (8.345 lbs/gal) (calc.)
Water Solubility	Fully miscible
Fat Solubility	Not Available
Partition Coefficient	Not Determined
Viscosity	Not Determined
Vapor Density	Not Determined
Evaporation Rate	Not Determined
Auto Ignition Temperature	Product is not self-igniting
L.E.L.	Not Determined
U.E.L.	Not Determined
% Non-Volatile	Not Available
Regulatory VOC	100 g/L
Actual VOC	100 g/L

SECTION 10. STABILITY AND REACTIVITY

Stability Information:	Not Available
Conditions to Avoid:	No further relevant information available.
Chemical Incompatibility:	No further relevant information available.
Hazardous Decomposition Products:	No dangerous decomposition products known.

SECTION 11. TOXICOLOGICAL INFORMATION
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Hazardous Component	CAS #	LD50 Acute Oral mg/kg	LD50 Skin mg/kg	LC50 Acute Inhal/gas mg/m ³	LC50 Inhal/mist mg/lt
None		None	None	None	None

SECTION 12. ECOLOGICAL INFORMATION

BOD5 and COD:
 No further relevant information available.

Products of Biodegradation:
 No further relevant information available.

Toxicity of the Products of Biodegradation:
 No further relevant information available.

Special Remarks on the Products of Biodegradation:

No further relevant information available.

Available ecological data of ingredients:

Hazardous Component	CAS #	Aquatic Toxicity
None	N/A	None

SECTION 13. DISPOSAL INFORMATION

Waste Description for Unused Product:	Spent or discarded material is a hazardous waste.
Disposal Methods:	Information in this SDS is provided only as a guide. Consult with proper authority to determine proper waste disposal procedures. Clean up and dispose of waste and clean-up materials in accordance with all federal, state, and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION**Department of Transportation (DOT)**

Shipping Name: N/A
IMO Class: N/A
UN Number: N/A
Packing Group: N/A
Required Label(s): N/A

SECTION 15. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA) Inventory Status:	All components of this product are listed on or exempt from listing on the TSCA inventory.
SARA 313 Reportable:	This product contains the following substances listed as toxic chemicals under 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA): None
SARA/CERCLA Section 302	Not Applicable

Other Regulations:

None

Other Classifications:

None

SECTION 16. OTHER INFORMATION

SDS prepared 02/21/2018

HMIS (U.S.A.):

Health Hazard: 0
 Fire Hazard: 0
 Reactivity: 0

National Fire Protection Association (U.S.A.)

Health: 0
 Flammability: 0
 Reactivity: 0

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END OF SAFETY DATA