

Material Safety Datasheet.

CHEMICAL PRODUCT AND COMPANY CLASSIFICATION.

Product Name: reflex LT, CE, AG
 Use: Foil for Membrane Touch Switches
 Company: TC Transcontinental Advanced Coatings
 Wrexham Industrial Estate
 Wrexham
 LL13 9UF
 Telephone Number: +44 (0) 1978 660 241
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 Date Prepared: 27/02/98

COMPOSITION / INFORMATION ON INGREDIENTS.

Substance / Preparation:

Ingredients	CAS No.	Conc.	Risk Phrases
Polyethylene terephthalate	23038-59-9	90-99wt%	Not Classified under CHIP2
U.V. cured Lacquer (1 side)		1-10wt%	Not Classified under CHIP2

HAZARDS IDENTIFICATION.

No hazardous reactions are known.

FIRST AID MEASURES.

Eye Contact: Irrigate with water for at least five minutes. If irritation persists consult a Doctor.
 Skin Contact: Wash with soap and water.
 Ingestion: Ingestion is unlikely due to the products physical state. Wash hands after processing this product and before eating.
 Inhalation: Decomposition / combustion / dust products will cause irritation of the respiratory tract.

FIRE FIGHTING MEASURES.

Fire and Explosion: This material is combustible but not readily ignited. Persistent application of a flame will ignite the material. Burning is accompanied by melting and dripping which may cause the fire to spread. Combustion will evolve irritant vapours.
 Suitable Extinguishing Media: Water spraying jet, dry chemical, carbon dioxide, foam.
 Special Exposure Hazards in a Fire: The lacquer contains a small percentage of urethane which could decompose to cyanides PET will cause dense black smoke containing: CO, CO2, and small amounts of NH3, and hydrocarbons.
 Special Protective Equipment: Wear self contained positive pressure breathing apparatus with full face mask and full protective clothing equipment.

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ACCIDENTAL RELEASE MEASURES.

Personal Precautions: None special.
 Environmental Precautions: None special.
 Methods for Cleaning Up: Pick up and handle as any other inert material.

HANDLING AND STORAGE.

Handling: Thick gauges of film have very sharp edges which can easily cause cuts.
 Storage: Keep away from heat, sunlight and flame. This product should be stored at ambient temperatures.

EXPOSURE CONTROL / PERSONAL PROTECTION.

OES: The following values apply to nuisance dust which may be formed during cold processing (eg, cutting, grinding or stamping).
 UK EH 40 Total dust 10 mg/m³ (8hr TWA)
 Respiratory Dust 5 mg/m³ (8hr TWA)

Engineering Controls: Not required for normal use.
 Respiratory Protection: None is required for normal use.
 Hand Protection: Protective gloves are recommended when handling to avoid cuts on finger by the sheet edges.
 Eye Protection: Safety glasses may be required if dust is generated through slitting of the product.
 Other Protection: Not normally required.

PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: Matt or Transparent film.
 Odour: None
 Boiling Point: Not Applicable
 Melting Point: 250-260°C
 Flash Point: Not Applicable
 Flammability Limits: Not Applicable
 Vapour Pressure: Not Applicable
 Specific Gravity: 1.46 at 20°C
 Solubility in Water: Insoluble
 Explosion Limits: Not Applicable.

STABILITY AND REACTIVITY.

Stability: This product is stable when used at ambient temperatures.
 Conditions to Avoid: Temperatures above 180°C and possible ignition sources.
 Materials to Avoid: Strong Oxidising Agents, strong acids and alkalis.
 Hazardous Decomposition Products: The lacquer contains a small percentage of urethane which could decompose to cyanides PET will form dense black smoke containing: CO, CO₂ and small amounts of NH₃ and partially pyrolyzed hydrocarbons.
 Hazardous Polymerisation: Will not occur.

**Material Safety Datasheet.****TOXICOLOGICAL INFORMATION.**

Eye Contact:	Sharp off cuts may cause eye damage.
Skin Contact:	No evidence of irritant effects from normal handling and use. Sharp edges may cause cuts.
Inhalation:	Combustion products may be irritant.
Acute Toxicity:	All raw materials used are reported to have low toxicity.
Chronic Toxicity:	No adverse effects reported for the raw materials.
Carcinogenicity:	No raw materials used to produce this product have been classified as known carcinogens.
Mutagenicity:	No raw materials used to produce this product have been classified as known mutagens.

ECOLOGICAL INFORMATION.

Will slowly degrade with exposure to UV light. Adverse effects would not be expected

DISPOSAL CONSIDERATIONS.

Waste Disposal: Waste material should be disposed in an approved land-fill tip or by incineration under approved conditions to comply with local and National regulations. Advice on the preferred method should be obtained from the local waste disposal officer.

TRANSPORT INFORMATION.

UN Class and Number: Not Classified as hazardous for transport.

REGULATORY INFORMATION.

Not classified as hazardous to users.

OTHER INFORMATION.

This product should be stored, handled and used in accordance with good Industrial hygiene practices and in conformity with any legal regulations. This information is given in good faith and to the best of our knowledge, but no warranty, expressed or implied is made.

Reason for Reissue :- Change of company name to TC Transcontinental Advanced Coatings. 25th June 2018

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