

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Name of product</b>	<b>TROSIFOL BG</b>
<b>Manufacturer/distributor</b>	Kuraray Europe GmbH Mülheimer Straße 26, D-53840 Troisdorf Phone 49-2241-2555-0, Fax 49-2241-2555-299
<b>Advice</b>	Dr. Keller Phone 49-2241-2555-301 Fax 49-2241-2555-399
<b>Emergency advice</b>	Poison center of the current state

**Recommended intended purpose(s)**  
 Film for laminated safety glass, encapsulant film for photovoltaic modules

## 2. HAZARDS IDENTIFICATION

**Special hazards information for humans and environment**  
 no

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
63148-65-2		Polyvinyl Butyral	ca. 70 - 80	
94-28-0		Triethylenglykol- bis-2-ethyl hexanoat (3G8)	25 - 30	
141-18-4		Bis-(2-butoxyethyl)adipat - DBEA	1 - 5	

**Additional advice**  
 Polyvinyl butyral film with low admixture of additiv, pigment and stabilizer

## 4. FIRST AID MEASURES

**General information**  
 no

**In case of ingestion**  
 If swallowed seek medical advice immediately and show the doctor packing or label.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**  
 Dry powder  
 Carbon dioxide  
 Water spray jet

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**  
 In the event of fire the following can be released: Carbon monoxide (Co), aldehyde, carbonic acid, alcohol

**Special protective equipment for fire-fighters**  
 Use breathing apparatus with independent air supply.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**

no

**Environmental precautions**

no

**Methods for cleaning up**

Take up mechanically.

## 7. HANDLING AND STORAGE

**Advice on safe handling**

Care for suitable extraction / ventilation at processing machines.

**Advice on protection against fire and explosion**

The product is combustible.

**Further information on storage conditions**

Storage: cool

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Additional advice**

no

**General protective measures**

Do not inhale dust/fumes/aerosols.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form**

film

**Colour**

various, depending on coloration

**Odour**

hardly noticeable

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>Flash point</b>	300 - 320 °C				
<b>Ignition temperature</b>	510 - 520 °C				
<b>Density</b>	1,07 g/cm <sup>3</sup>	20 °C			
<b>Solubility in water</b>					insoluble

## 10. STABILITY AND REACTIVITY

### Conditions to avoid

Reactions with oxidising agents.

### Hazardous decomposition products

Carbon monoxide

Aldehydes

carboxylic acid

### Thermal decomposition

Remark No decomposition if used as directed.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity/Irritability/Sensitization

Value/Validation	Species	Method	Remark
<b>Irritability skin</b>			no
<b>Skin sensitization</b>			no

### Additional information

No indications on irritability and sensitization; only hardly noticeable odour.

## 12. ECOLOGICAL INFORMATION

### General regulation

Because of insolubility in water details are impossible to determinate.

## 13. DISPOSAL CONSIDERATIONS

### Waste code No.

07 02 13

### Name of waste

waste plastic

### Recommendations for the product

For recycling consult manufacturer.

### Recommendations for packaging

Uncontaminated packaging may be taken for recycling.

## 14. TRANSPORT INFORMATION

### Land and inland navigation transport ADR/RID

No hazardous material as defined by the prescriptions.

### Marine transport IMDG

no

### Air transport ICAO/IATA-DGR

no

## 15. REGULATORY INFORMATION

### Remarks for classification

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

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## 16. OTHER INFORMATION

### Further information

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.