

# SAFETY DATA SHEET



**Product name** Celanex®  
**MSDS number** 87031054  
**Revision Number** 1

**Revision Date** Oct.01.2013  
**Issuing date** Dec.09.2013

AGHS/EN

## **1. Identification of the substance/preparation and the company/undertaking**

**Product name**  
**Celanex®**

The following SDS applies to products described by combinations of the following trade name, product grade and color code listed below.

**Color Code:**  
See Section 16 for list of Color Codes

### **Manufacturer or supplier's details**

**Celanese (Shanghai) International Trading Co., Ltd.**  
Room 239, Xinmao Building  
South Taizhong Road  
Waigaoqiao Free Trade Zone  
Shanghai, China

**Celanese Pte Ltd**  
138 Robinson Road  
#17-00  
Singapore (068906)

**Product Information**  
info-engineeredmaterials-asia@celanese.com

**Emergency telephone number**  
+(65) 62656917 (Operations Room direct dial)  
or fax request to +(65) 62664696 (Facsimile to Operations Room)  
or email to posh.er@paccoffshore.com.sg

**In China Emergency Number:** 86-532-83889090 (NRCC)

**Synonyms:**  
Polybutylene terephthalate / PBT Thermoplastic polyester

**Identified uses**  
Plastic processing industry.

## **2. Hazards identification**

**Statements of Hazard** Not a dangerous product according to GHS

## **3. Composition/Information on ingredients**

Product name Celanex®  
MSDS number 87031054  
Revision Number 1

AGHS/EN

Revision Date Oct.01.2013  
Issuing date Dec.09.2013

### 3. Composition/Information on ingredients

Chemical characterization Polybutylene Terephthalate / PBT; Basic CAS-RN: 30965-26-5 and 26062-94-2

Components	CAS-No	Percent %
Tetrahydrofuran	109-99-9	< 0,5

### 4. First aid measures

#### Skin

Cool skin rapidly with cold water after contact with molten polymer. Immediate medical attention is required. Do not peel solidified product off the skin.

#### Eyes

Immediately flush eye(s) with plenty of water. Call a physician if irritation persists.

#### Inhalation

Move to fresh air in case of accidental inhalation of vapors. Get medical attention immediately if symptoms occur.

#### Ingestion

If swallowed, do not induce vomiting - seek medical advice.

#### Notes to physician

This product is essentially inert and nontoxic. However, if it is heated at too high a temperature or if it is burned, gases may be released. Patients who have been exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin levels checked. If the carboxyhemoglobin levels are normal, asphyxia (carbon dioxide replacing oxygen) is a possibility. As with any fire, irritant gases may have formed. If patients may have inhaled high concentrations of irritating fumes, they should be monitored for delayed onset pulmonary edema.

### 5. Fire-fighting measures

NFPA: Health: 1

Flammability: 0

Instability: 0

#### Suitable extinguishing media

Water, Foam, Dry powder

#### Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

#### Other Information

Keep people away from and upwind of fire

### 6. Accidental release measures

#### Personal precautions

Do not breathe dust. Avoid dust formation.

# SAFETY DATA SHEET



**Product name** Celanex®  
**MSDS number** 87031054  
**Revision Number** 1

AGHS/EN

**Revision Date** Oct.01.2013  
**Issuing date** Dec.09.2013

## Environmental precautions

No special environmental precautions required.

## Methods for cleaning up

Use mechanical handling equipment.

## 7. Handling and storage

### Advice on safe handling

Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Avoid dust formation.

### Incompatible products

strong bases

### Protection - fire and explosion:

Keep away from sources of ignition - No smoking. Potential dust explosion hazard.

### Material storage

Keep in a dry, cool place.

### Incompatible products

strong bases

### Technical measures/Storage conditions

No special storage conditions required.

## 8. Exposure controls / personal protection

### ACGIH Exposure Limits

No exposure limits established.

Components	TWA
Tetrahydrofuran	50 PPM

Components	STEL
Tetrahydrofuran	100 PPM

## Exposure controls

### Engineering measures

General: May not be adequate as the sole means to control employee exposure.  
Local Exhaust: Recommended when appropriate to control employee exposure to dust or process vapors.

### Personal protective equipment

### Hygiene measures

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

### Hand protection

protective gloves

Product name Celanex®  
MSDS number 87031054  
Revision Number 1

AGHS/EN

Revision Date Oct.01.2013  
Issuing date Dec.09.2013

Suitable material Butyl-rubber , nitrile rubber , category III according to EN 374  
Break through time 480 min

## 9. Physical and chemical properties

### Appearance

Form pellets  
Odor slight , specific

Flash point Not applicable  
Ignition temperature >420°C  
Method ASTM D 1929  
Density approx 1.38 - 1.55 g/ml @ 20°C  
Bulk density approx 600 - 900 kg/m³ @20 °C  
Water solubility insoluble  
VOC Content(%) None

## 10. Stability and reactivity

### Chemical stability

Stable under normal conditions

### Conditions to avoid

Flame. Avoid temperatures above 271 °C / 520 °F.

### Incompatible Materials

strong bases

### Hazardous Combustion or Decomposition Products:

Aldehydes, ketones, esters, acids, alcohols, butadiene, tetrahydrofuran, toluene, benzoic acid, terephthalic acid

## 11. Toxicological information

Toxicological data are not available. When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

## 12. Ecological Information

According to experience, the material has no harmful effect on the environment.

## 13. Disposal considerations

### Product information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal

# SAFETY DATA SHEET



**Product name** Celanex®  
**MSDS number** 87031054  
**Revision Number** 1

AGHS/EN

**Revision Date** Oct.01.2013  
**Issuing date** Dec.09.2013

## **Uncleaned empty packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse

## **14. Transport information**

**US Department of Transportation** Not regulated

**ADN** Inland waterway transport - Not dangerous good

**IMDG** Marine transport - The product does not constitute a hazardous substance in sea transport

## **15. Regulatory information**

### **INTERNATIONAL REGULATIONS**

This preparation is not classified as dangerous according to Chinese legislation

This mixture is not classified as dangerous according to Japanese legislation

## **16. Other information**

HMIS: Health: 1 Flammability: 0 Physical Hazard: 0

### **Prepared By**

Product Stewardship Department  
Celanese

### **Other Information:**

Observe national and local legal requirements. Except as otherwise noted, all of the trademarks referenced herein are owned by Ticona or its affiliates. .

Changes against the previous version are marked by \*\*\*

### **Sources of key data used to compile the datasheet**

Information contained in this safety data sheet is based on Celanese owned data and public sources deemed valid or acceptable.

### **Further information**

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality