

Product Name CoolPoly®
MSDS number 870032
Revision Number 1

AGHS/EN

Revision Date Jun.02.2016
Issuing date Aug.24.2018***

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

Product Name
CoolPoly®

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

Product Grade(s):
E5101***

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

Synonyms:
Polyphenylene sulfide / PPS

Identified uses
Plastic processing industry.

2. Hazards identification

Statements of Hazard

Not a dangerous product according to GHS***

SAFETY DATA SHEET



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Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other Information

Keep people away from and upwind of fire. Dust can form an explosive mixture in air

6. Accidental release measures

Personal precautions

Avoid dust formation. Do not breathe dust***

Environmental precautions

No special environmental precautions required.

Methods for cleaning up

Use mechanical handling equipment. Dispose of in accordance with local regulations***

7. Handling and storage

Advice on safe handling

Do not handle hot or molten material without appropriate protective equipment. Do not exceed recommended process temperatures to minimize release of decomposition products. Maintain good housekeeping in work areas.. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated***

Protection - fire and explosion:

Do not smoke in areas where polymer dust is present.. Appropriate measures should be taken to control the generation and accumulation of dust during conveying and processing operations..

Material storage

Keep in a dry, cool and well-ventilated place. Maintain dryness of resin..

Technical measures/Storage conditions

No special storage conditions required.

Specific end use(s)

Industrial use

8. Exposure controls / personal protection

ACGIH Exposure Limits

Components	TWA
Glass oxide; Fiberglass continuous filament	5 mg/m ³ 1 fibers / cm ³
Respirable Dust	3 mg/m ³
Total Dust	10 mg/m ³

OSHA Exposure Limits

Components	TWA
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Proprietary Filler	15 mg/m ³ Total dust. 5 mg/m ³ Respirable fraction.
Respirable Dust	5 mg/m ³
Total Dust	15 mg/m ³

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.. Do not inhale dust particles, during processing glass or glass dust particles are set free and cause irritation to the respiratory passage.

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Eye protection safety glasses with side-shields.

Hand protection Protective gloves***
Suitable material Butyl-rubber
Type Butoject (Company KCL) or comparable article;
or refer to glove manufacturer's recommendation
Evaluation according to EN 374: level 6
Material thickness Approx. 0,3 mm***
Break through time 480 min

9. Physical and chemical properties

Appearance

Form pellets
Odor slight

Flash point Not applicable***
Ignition temperature No data available
Density Not determined***
Water solubility insoluble
VOC Content(%) Not determined

10. Stability and reactivity

Reactivity

Stable under normal conditions

Conditions to avoid

Flame.. Avoid prolonged heating at or above the recommended processing temperature..

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Incompatible Materials

Halogens, Strong oxidizing agents, aromatic solvents, Reducing agents***

Hazardous Combustion or Decomposition Products:

Phenyl sulfides, n-methyl-2-pyrrolidone, dichlorobenzene, phenyl mercaptan, hydrogen sulfide, butyrolactone, mesityl oxide, acetic acid, phenol, formic acid, succinic acid, chlorine, palmitic acid, p-chlorothiophenol, stearic acid, aromatic compounds, chlorinated aromatic compounds, carbonyl sulfide, and sulfur compounds.

11. Toxicological information

Potential health effects

Routes of exposure Skin, eyes, inhalation, ingestion.

Immediate effects

Skin	Polymer particles may cause mechanical irritation. The molten product can cause serious burns.
Eyes	Resin particles, like other inert materials, are mechanically irritating to eyes
Inhalation	Dust irritating to respiratory tract. Overheating in processing may generate hazardous, irritating vapours.
Ingestion	Low toxicity by this route is expected based on the biological activity of high molecular weight polymers.

Medical conditions which may be aggravated by exposure: No specific information available on the product. Off-gases, which may be released if overheated, may affect those with chronic diseases of the respiratory system.

Toxicological data are not available. Observe the usual hygienic measures for handling chemicals.

12. Ecological Information

Ecotoxicity:The effects of resin pellets on the wildlife that may ingest them is not well understood. In the case of seabirds, some marine biologists believe that the fowl may not be able to pass plastic pellets through their digestive tracts. Thus, large quantities of ingested pellets may cause intestinal blockage, false feelings of satiation or reduction in absorption of nutrients, causing malnutrition and starvation. The goal of SPI's Operation Clean Sweep is zero loss of pellets into the environment..

Environmental Fate/Information:This material is considered to be non-biodegradable. Do not discharge product unmonitored into 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

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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

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

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

Color code(s)
BLACK

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 provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements.