

Safety data sheet according to regulation (EC) Nr. 1907/2006



| | | | |
|-----------------|--------------|---------------|----------------|
| Product name | CoolPoly®*** | | EUMT/EN |
| MSDS number | 870026B | Revision Date | Apr.26.2016 |
| Revision Number | 0.01 | Issuing date | Nov.16.2017*** |

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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):
D5506***

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

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Plastic processing industry.

1.3. Details of the supplier of the safety data sheet

Celanese Production Germany GmbH & Co. KG

Am Unisys-Park 1
65843 Sulzbach (Taunus)
Germany

SDS Contact (email of responsible person)

HazCom@celanese.com
Telephone: +49 (0)180-584 2662
FAX: +49 (0)180 - 202 1202

1.4. Emergency telephone number

CHEMTREC: +1 703 527 3887 (Collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008/EC (CLP)

Not a hazardous substance or preparation according to Regulation 1272/2008 (CLP)

2.2. Label elements

Not required

2.3 Other Hazards

The mixture does not meet the criteria for PBT / vPvB according to REACH, Annex XIII

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SECTION 3: Composition/information on ingredients

Chemical characterization Liquid crystal polymer / LCP

- 3.1. Substances** not applicable
3.2. Mixtures see Chemical characterization

SECTION 4: First aid measures

4.1. Description of first aid measures

- Inhalation** Move to fresh air in case of accidental inhalation of vapors. Get medical attention immediately if symptoms occur.
- Skin** Cool skin rapidly with cold water after contact with molten polymer. Do not peel solidified product off the skin. Immediate medical attention is required.
- Eyes** Immediately flush eye(s) with plenty of water. Call a physician if irritation persists.
- Ingestion** If swallowed, do not induce vomiting - seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Main symptoms None known

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
Water, Carbon dioxide (CO₂), Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Boron oxides

5.3. Advice for firefighters

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***

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation***

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

6.3. Methods and material for containment and cleaning up

Use mechanical handling equipment***

6.4. Reference to other sections

Consult trained personnel. Consider the information for "Personal Protection" in chapter 8 of this Safety Data Sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Hygiene measures

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

Advice on safe handling

Do not handle hot or molten material without appropriate protective equipment.. Maintain good housekeeping in work areas.. Do not exceed recommended process temperatures to minimize release of decomposition products.. 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..

7.2. Conditions for safe storage, including any incompatibilities

Material storage

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

German storage class

11: Combustible solids

7.3. Specific end use(s)

None known

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure limits

DNELs

This product is a mixture and therefore not directly subject of the registration requirements under REACH.

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PNECs This product is a mixture and therefore not directly subject of the registration requirements under REACH.

8.2. 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.***

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

Eye protection safety glasses with side-shields

Skin protection Avoid contact with skin

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

Environmental exposure controls

Do not discharge into the drains/surface waters/groundwater

Environmental Precautions

Should not be released into the environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Form pellets

Odor slight

Flash point Not applicable***

Ignition temperature No data available

Density Not determined***

Bulk density Not Determined

Water solubility insoluble

VOC Content(%) Not determined

9.2. Other information The product was not tested for properties not listed on the SDS***

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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical Stability

Thermal decomposition can take place above 320°C.

10.3. Possibility of hazardous reactions

None anticipated.

10.4. Conditions to avoid

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

10.5. Incompatible Materials

strong oxidizing agents, reducing agents

10.6. Hazardous decomposition products

No hazardous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

SECTION 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***

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

Uncleaned empty packaging

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

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SECTION 14: Transport information

ADR/RID Not regulated

ADN Not regulated

ICAO/IATA Not restricted

IMDG Not regulated

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|--------------|---|
| WGK Class | nwg |
| WGK Reg. No. | 766 |
| WGK Source | Classification according to VwVwS, Annex 1 or 2 |

15.2 Chemical Safety Assessment

Chemical Safety Assessment (CSA) is not required

Authorization - Reach Regulation, Title VII

This substance is not subject to authorization requirements

SECTION 16: Other information

Color code(s)

BLACK, KD3002***

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 ***

Training advice

When wearing a breathing apparatus, the need for appropriate training needs to be considered. Training advice.

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.. The absence of data elements required by ANSI or 1907/2006/EC indicates that no data meeting these requirements is available..

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..

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EUMT/EN

Abbreviation and Acronym:

ADR = Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS = Chemical Abstracts Service (division of the American Chemical Society)

CLP = Classification, Labelling and Packaging

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IMO)

ICAO = International Civil Aviation Organization

IMDG = International Maritime Code for Dangerous Goods

Annex: Exposure Scenario(s)

Development of Exposure Scenario is not required