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):
E5101***

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

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

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)

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

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

SECTION 3: Composition/information on ingredients

Chemical characterization Polyphenylene Sulfide /PPS, glass fiber reinforced
CAS-RN. of the basic polymer: 26125-40-6;

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, Dry powder, Foam

5.2. Special hazards arising from the substance or mixture

Under conditions giving incomplete combustion, hazardous gases produced may consist of
Carbon monoxide
Carbon dioxide (CO2)
Sulfur oxides (SOx)

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid dust formation. Do not breathe dust***

6.2. Environmental precautions
No special environmental precautions required.

6.3. Methods and material for containment and cleaning up
Use mechanical handling equipment. Dispose of in accordance with local regulations***

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

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..

Reduce the release of the substance or mixture to the environment
Do not discharge into the drains/surface waters/groundwater

7.2. Conditions for safe storage, including any incompatibilities

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

Technical measures/Storage conditions
No special storage conditions required.

German storage class
13: Non-flammable solids

7.3. Specific end use(s)
Industrial use

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

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. 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

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***
Water solubility	insoluble
VOC Content(%)	Not determined

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

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical Stability

Thermal decomposition can take place above 370°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

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

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide (CO2), Sulfur oxides, Phenyl sulfides, Hydrogen sulfide, Chlorinated products, Phenyl mercaptan

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.

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

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..

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..

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