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

Product identifier
ZEDEX (different high-molecular polymers with high temperature resistance)

Relevant identified use of substance/preparation and use which is advised against
None

Relevant identified uses
Semi-finished products for the manufacture of plastic products.

Details of the supplier of safety data sheet

Address: BOHLENDER GmbH, Waltersberg 8, D-97947 Grünsfeld
Tel./ Fax.: +49 9346 9286-0 / +49 9346 9286-51
E-Mail: info@bohlender.de
Internet: www.bohlender.de /www.bola.de / www.sicco.de

Emergency Telephone Number: +49 30-19240

SECTION 2: Hazards identification

Classification of the substance or mixture

Regulation (EC) No. 1272/2008
Classification:
No classification according to CLP regulation (EU) No. 1272/2008

Regulation 67/548/EWG or 1999/45/EG
No classification according to regulations 67/548/EWG or 1999/45/EG

Label elements
Regulation (EC) No. 1272/2008
No labelling.

Regulation 67/548/EWG or 1999/45/EG
No labelling according to regulations 67/548/EWG or 1999/45/EG

SECTION 3: Composition/information on ingredients

Different high-molecular polymers with high temperature resistance

SECTION 4: First aid measures

Description of First aid measures

Inhalation
Vapours can be emitted by the melted product if overheated. In case of inhalation of formaldehyde vapours, move affected person to fresh air, provide warmth and get medical advice if necessary. Inhale dosage aerosol dexamethasone. In case of unconsciousness, place and transport affected person in stable sideways position. Symptoms can include: irritation of muceous membranes, cough, lacrimation. In case of breathing difficulties: Lift the upper part of the body and place the affected person in seated position.

Skin contact with hot ZEDEX
Cool skin immediately with cold water for a long time, remove dirty clothes. Do not remove cooled melt from skin. Cover burns with clean bandages.

Eye contact with hot ZEDEX
Do not rub in case of foreign object in the eye. Cover eyes if necessary and seek medical attention of eye doctor immediately.

Ingestion
No risk of poisoning. Material is biologically inactive.

SECTION 5: Fire fighting measures

Suitable extinguishing media
Water jet and foam. Carbon dioxide and dry chemicals are not recommended. Their deficient cooling power can cause re-inflammation.

Special hazards arising from the substance or mixture
Material should be treated like a combustible solid. Carbon dioxide and carbon monoxide combined with irritating and /or toxic substances like sulphur dioxide, hydrofluoric acid, carbonyl fluoride, tetrafluoroethylene, hexafluoropropylene or perfluoroisobutylene can be caused by fire.

Advice for fire-fighters
Use self-contained respirator (breathing apparatus with compressed air).
Do not allow contaminated fire water to enter drains/surface water/ground water.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Release of dust:
Avoid explosion of dust by means of electrical grounding. Protect skin, eyes and hands.

Environmental precautions
See section 13.

Methods and material for containment and cleaning up
Collect released material quickly by sweeping or sucking. Fine parts or dust should be sucked with an industrial vacuum cleaner.

SECTION 7: Handling and storage

Precautions for safe handling
Provide suction of dust in case of mechanical treatment. Work with an appropriate venting system if the material is heated over 370°C.

Storage conditions considering incompatibilities

No special conditions necessary.

Storage category (TRGS 510): 11 combustible solids
Storage stability: Unlimited stability at a temperature of < 40 °C

SECTION 8: Exposure controls/personal protection

Personal protective equipment

Respiratory protection
Not necessary.

Hand protection
Wear protective gloves if working with hot melt.

Eye protection
Wear protection goggles with side shields if working with hot melt.

Skin / body protection
Normally not necessary.

Hygienic measures
The general specifications of industrial hygiene have to be followed. Wash hands before any break and at end of work. Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state / form:	Solid
Appearance:	solid
Density:	1,51 g/cm³ (at 25 °C)
Melting point:	285-300 °C
Ignition temperature:	> 480 °C
Decomposition temperature:	> 370 °C
Water solubility:	insoluble
Flash point:	Not applicable
Auto ignition temperature:	Not applicable

SECTION 10: Stability and reactivity

Chemical stability
The product is not chemically reactive.

Conditions to avoid
Temperatures above 300 °C and/or long times of exposure at these temperatures due to thermal decomposition. Temperatures above 370 °C can cause reactions with powdery metals.

Hazardous decomposition products
Sulphur dioxide, carbon monoxide, carbon sulphide, hydrofluoric acid, carbonyl fluoride, tetrafluororethylene, hexafluoropropylene or perfluoroisobutylene

SECTION 11: Toxicological information

No adverse effects are known if the product is handled correctly and precautions on work hygiene are observed.

SECTION 12: Ecological information

Persistence and degradability
Very low UV degradability.

Ecotoxicity
No ecologically toxic effects known.

Aquatic toxicity
Solid insoluble in water, not hazardous to water.

SECTION 13: Disposal considerations

Product can be disposed of thermally or dumped with household waste in accordance with the necessary technical regulations and after consulting of disposer and responsible authorities. Hydrofluoric acid has to be removed by scrubbing of flue gases.

Waste code: 57129 (other, cured plastics)

SECTION 14: Transport information

ADR/RID	no dangerous goods
ADN	no dangerous goods
IATA	no dangerous goods
IMDG	no dangerous goods

Special precautions for the user
No dangerous goods. Keep dry.

SECTION 15: Regulatory information

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

A labelling according to EEC regulation 88/379/EEC and later supplements is not necessary.

Water hazard class
0, not hazardous to water, self-assessment.

SECTION 16: Other information

The information given in this safety data sheet is based on our present available experience and only describes the security appearance of the product. It is up to the user to check if the product is suitable for the respective application. All questions regarding warranty and liability for this product are regulated according to our sales conditions unless legal requirements are differing.

Change index

Revision	Date:	Reason for change:	Changed paragraphs:
00	11.07.2016	Initial creation	
01	12.07.2016	New emergency telephone no.	Section 1, 1.4

	Date / Name	**For questions contact:**	see 1.3
Created:	12.07.2016/Dr. Schlipf	**Number of pages:**	5
Checked:	12.07.2016/V.Bohlender	**Revision no.:**	01
Released	12.07.2016/V.Bohlender	**Issue date:**	12.07.2016
Distributed:		**Replaces issue dated:**	11.07.2016