

Copyright 2016, Bohlender GmbH. All rights reserved. Duplication or download of this document is only allowed for the purpose of getting familiar with the adequate use and the safe handling of the described products from Bohlender. These information of Bohlender GmbH must be duplicated or downloaded completely and must not be changed with regards to contents.

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

1.1 Product identifier

Mixture of polymer materials

1.2 Relevant identified use of substance/preparation and use which is advised against

Relevant identified uses

Product applications: injection moulding and extrusion of plastic parts

1.3 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

1.4 Emergency Telephone Number: +49 30-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification of the mixture

This product is not classified as hazardous product according to European regulations 67/548/EWG or 1999/45/EG

2.2 Label elements

According to European and respective national regulations, there is no labelling obligation for this product. This product is not classified as hazardous product according to European regulations 67/548/EWG or 1999/45/EG

2.3 Other hazards

Acute effects

Inhalation

Particles like other inert material can have irritating effects.

Ingestion

Can be harmful if ingested.

Eyes

Particles like other inert material can have irritating effects.

Skin

Empirically there are no risks for skin if the product is handled properly:

Results of PBT and vPvB evaluation

According to appendix XIII of regulation (EU) No. 1907/2006: the product does not contain any substance which fulfils the requirements of PBT (persistent, bioaccumulative, toxic) or the requirements of vPvB (very persistent, very bioaccumulative).

SECTION 3: Composition/information on ingredients**Chemical characterisation**

Mixture of pigments /additives in polymer resin

The product does not contain any hazardous material above the statutory limits of concentration (67/548/EEC;1999/45 EC;1907/2006 EU appendix II).

The product does not contain any SVHC (substances of very high concern) above the statutory limit (regulation No. 1907/2006 EU; chapter 57).

SECTION 4: First aid measures**4.1 Description of First aid measures****Inhalation:**

After inhalation of fire gases or decomposition products, affected person should go to fresh air immediately. Seek medical attention in case of discomfort or any doubt.

Skin contact with hot PBTP:

Wash skin immediately with soap and water. Seek medical attention in case of skin irritation. Burns due to melted material must be treated in hospital.

Eye contact:

Rinse eyes immediately and also under the eye lids with plenty of water for at least 15 minutes. Seek medical advice in case of eye irritations.

Ingestion:

Do not induce vomiting without medical advice. Seek medical attention in case of discomfort.

4.2 Most important symptoms and effects, both acute and delayed

No further symptoms known.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Fire fighting measures**5.1 Extinguishing media****Suitable extinguishing media:**

Carbon dioxide shower, spray water, fire extinguishing powder, foam.

Inappropriate extinguishing media:

None.

5.2 Special hazards arising from the substance or mixture

Specific exposition hazards caused by combustion products, resulting gas etc:
Generation of carbon dioxide (CO₂), carbon monoxide (CO), nitrogen oxides (NOX), other hazardous substances and smoke is possible.

5.3 Advice for fire-fighters

Wear respiratory mask of type SCBA (positive pressure set) for protection against contaminated ambient air.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear suitable personal protective equipment for cleaning like tight gloves, shoes and overalls.

6.2 Environmental precautions

Avoid release to environment. Avoid release of the product to drains, rivers or ground.

6.3 Methods and material for containment and cleaning up

Collect released material quickly by sweeping or sucking. Pack material in a plastic, cardboard or metal container for disposal.

6.4 Reference to other sections

Section 13 of this safety data sheet: waste treatment methods.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Take measures against electrostatic charging. Only heat in rooms with appropriate exhaust system.

7.2 Conditions for safe storage including any incompatibilities**Storing conditions**

Keep package closed in a dry place to avoid contamination and absorption of humidity. Store in cool and dry place.

7.3 Specific end use

No further specifications.

SECTION 8: Exposure controls/personal protection**8.1 Control Parameters****Occupational limit values**

This product does not contain any dangerous substances which are above the stipulated limits.

PNEC

No data available.

DNEL

No data available.

8.2 Exposure controls

Personal protective equipment

Respiratory protection

Personal respiratory protection is normally not necessary.

Eye / Face protection

Wear protection goggles with side shields.

Hand protection

Use protective gloves. Follow instructions of manufacturer to provide correct protection.

Body / Skin protection

Wear long-sleeved work wear.

Additional protective measures

Safety shoes.

Hygienic measures

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

Technical precautions

Only heat in rooms with appropriate exhaust system. Provide adequate ventilation on processing machines.

8.3 Environmental exposure controls

Not defined.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Solid
Evaporation rate:	Not applicable
Appearance:	pellets, sheets
Specific density:	not stipulated
Colour:	without pigment
Bulk density:	not existing
Odour:	Very light
Vapour pressure:	Not applicable
Melting point/melting range:	Not defined
Vapour density:	Not applicable
Boiling point:	Not applicable
pH-value:	Not applicable
Water solubility:	Non soluble
N-octanol-water partition coefficient:	No data available
Fat solubility:	Not soluble
Viscosity:	No data available
Oxidising properties:	Not applicable
Flash point:	Not applicable
Lower explosion limit (LEL):	Not applicable
Upper explosion limit (UEL):	Not applicable
Auto ignition temperature:	Not applicable

SECTION 10: Stability and reactivity**10.1. Reactivity**

There are no dangerous reactions to be expected if the product is handled and stored as prescribed.

10.2. Chemical stability.

Product is stable in case of handling and storage as prescribed.

10.3 Possibility of hazard reactions**Hazardous polymerisation:**

Does not take place.

10.4 Conditions to avoid

Do not overheat to avoid thermal decomposition,

10.5 Incompatible materials

Strong acids, oxidising and reducing agents.

Hazardous decomposition products

Possible: carbon dioxide (CO₂), carbon monoxide (CO), nitrogen oxides (NO_x), other dangerous substances, smoke.

SECTION 11: Toxicological information

Human reproduction is endangered due to carcinogenicity, mutagenicity and toxicity: not applicable

SECTION 12: Ecological information**12.1 Toxicity and environmental hazard**

Chemicals are bound in the matrix of the polymer and therefore not really existent.

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

Chemicals are bound in the matrix of the polymer and therefore not really existent.

12.4 Mobility in soil

Chemicals are bound in the matrix of the polymer and therefore not really existent.

12.5 Results of PBT and vPvB assessment**PBT and vPvB characteristics**

According to appendix XIII of regulation (EU) No. 1907/2006: the product does not contain any substance which fulfils the requirements of PBT (persistent, bioaccumulative, toxic) or the requirements of vPvB (very persistent, very bioaccumulative)

12.6 Other adverse effects / additional information

Not applicable.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product information**

Like most other thermoplastic plastics, this product can be recycled. Recycling should be preferred to disposal or combustion. The waste producer must classify, transport and dispose the waste according to national/provincial/local rules.

Contaminated packing:

If possible, recycling should be preferred to disposal or combustion. The waste producer must classify, transport and dispose the waste according to national/provincial/local rules.

SECTION 14: Transport information

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

Special precautions for the user

No dangerous goods. Keep dry.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National lists:**

Europe EINECS:	On the list or fulfils requirements
Australia AICS:	Noted
Canada DSL:	Noted
China IECS:	Noted
Japan ENCS:	Not fixed
Korea KECI:	Noted
Philippines PICCS:	Noted
United States TSCA:	Noted

According to appendix XVII of regulation (EU) No. 1907/2006: the product does not contain any substance, it fulfils the criterions for appendix XVII of regulation (EU) No. 1907/2006.

German water hazard class

water hazard class 2: hazardous to water

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

The complete wording of all hazard statements and R- and H- sentences can be found in sections 2 to 15.

PBT and vPvB: persistent, bioaccumulative, toxic (PBT), very persistent or very bioaccumulative (vPvB)

PNEC: estimated non-effect-concentration

DNEL: derived grade of exposition without disturbance

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:	7
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