

# SAFETY DATA SHEET

**Regulation :** In accordance with Regulation (EU) 2015/830 (REACH), Annex II

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name :** [1] ECOZEN® T90, T95, T110, T120, YF100, YF300, BS100, BS200, BE300, BS300, BS400, YM300, SMR, HF001, HF002, HF003, HF502, HF503, Claro100, Claro101, Claro300, HB005.

[2] ECOZEN® T90G, T95G, T110G, T120G, YF301, BS101, BS201, BE301, BS301, Claro200, Claro201.

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

**Recommended use of the chemical and restrictions on use**

**Recommended use :** Plastics

**Restrictions on use :** Use for recommended use only.

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

**Company name :** SK Chemicals GmbH

**Address :** Topas 2, Mergenthalerallee 79-81, 65760 Eschborn Germany

**Emergency phone number :** +49-6196-90206-11

**Fax :** +49-6196-90206-29

**1.4 Emergency Telephone :** +49-6196-90206-11

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP] :

- Not classified

#### 2.1.2 Additional information :

For full text of Hazard- and EU Hazard-statements: see SECTION 16

### 2.2 Label elements

**Hazard pictograms :** Not applicable

**Signal word :** Not applicable

**Hazard statements :** Not applicable

**Additional precautionary statements :** Not applicable

### 2.3 Other hazards

According to Annex XIII, the substance does not meet PBT or vPvB criteria.

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

### A. Substance [1]

Chemical Name	Common Name (Synonyms)	CAS No.	EC No.	Content (%)	REACH Registration No.	Classification according to Regulation (EC) No 1278/2008 (CLP)
copolyester	copolyester	proprietary	Not available	100		- Not classified

### B. Substance [2]

Chemical Name	Common Name (Synonyms)	CAS No.	EC No.	Content (%)	REACH Registration No.	Classification according to Regulation (EC) No 1278/2008 (CLP)
copolyester	copolyester	proprietary	Not available	99≤	Not available	- Not classified
Additives	Mixture	Confidential	Confidential	≤1	Confidential	- Not classified

## SECTION 4 : FIRST-AID MEASURES

### 4.1 Description of first aid measures

#### General notes

Not Available

#### Following eye contact

- In case of contact with substance, immediately flush eyes with running water at least 20 minutes.

#### Following skin contact

- In case of contact with substance, immediately flush skin with running water at least 20 minutes.

- Remove and isolate contaminated clothing and shoes.

- Wash contaminated clothing and shoes before reuse.

- Get immediate medical advice/attention.

#### Following inhalation

- Specific medical treatment is urgent.

- Move victim to fresh air.

- Administer oxygen if breathing is difficult.

#### Following ingestion

- Do not let him/her eat anything, if unconscious.

- Get immediate medical advice/attention.

### Self-protection of the first aider

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

**Acute effects** : Not available

**Delayed effects** : Not available

### 4.3 Indication of immediate medical attention and special treatment needed

- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

## SECTION 5 : FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

- Suitable extinguishing media: Dry sand, dry chemical, alcohol-resistant foam, water spray, regular foam, CO<sub>2</sub>

#### Unsuitable extinguishing media

- Unsuitable extinguishing media: High pressure water streams

### 5.2 Special hazards arising from the substance or mixture

- May be ignited by heat, sparks or flames.
- Containers may explode when heated.
- Some of these materials may burn, but none ignite readily.
- Fire will produce irritating and/or toxic gases.
- If inhaled, may be harmful.

**Hazardous combustion products** : Not available

### 5.3 Advice for firefighters

- Dike fire-control water for later disposal; do not scatter the material.
- Move containers from fire area if you can do it without risk.
- Fire involving Tanks; Cool containers with flooding quantities of water until well after fire is out.
- Fire involving Tanks; Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

**Protective equipment** : Not Available

#### Emergency procedures

- Stop leak if you can do it without risk.
- Please note that materials and conditions to avoid.
- Do not touch or walk through spilled material.

#### 6.1.2 For emergency responders

- Eliminate all ignition sources.
- Ventilate the area.
- Prevent dust cloud.

### 6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

### 6.3 Methods and material for containment and cleaning up

- Small Spill; Flush area with flooding quantities of water. And take up with sand or other non-combustible absorbent material and place into containers for later disposal.
- Large Spill; Dike far ahead of liquid spill for later disposal.
- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

#### 6.3.1 For containment

- Large Spill; Dike far ahead of liquid spill for later disposal.

### 6.3.2 For cleaning up

- Small Spill; Flush area with flooding quantities of water. And take up with sand or other non-combustible absorbent material and place into containers for later disposal.

- With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

### 6.3.3 Other information

- Not Available

### 6.4 Reference to other sections

- See also sections 8 and 13 of the Safety Data Sheet.

## SECTION 7 : HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Protective measures

- Please note that materials and conditions to avoid.

- Wash thoroughly after handling.

- Please work with reference to engineering controls and personal protective equipment.

#### Measures to prevent fire

- Be careful to high temperature.

**Measures to protect the environment** : Not Available

**Measures to prevent aerosol and dust generation** : Not Available

**Advice on general occupational hygiene** : Not Available

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions** : Not Available

**Packaging materials** : Not Available

#### Requirements for storage rooms and vessels

- Store in a closed container.

- Store in cool and dry place.

#### Storage class

**Further information on storage conditions** : Not Available

### 7.3 Specific end use(s)

**Recommendations** : Not Available

**Industrial sector specific solutions** : Not Available

## SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limits

**ACGIH Regulation** : Not available

**Biological exposure index** : Not available

**OSHA Regulation** : Not available

**NIOSH Regulation** : Not available

**EU Regulation** : Not available

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

##### Substance/mixture related measures to prevent exposure during identified uses

- Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**Structural measures to prevent exposure** : Not Available

**Organisational measures to prevent exposure :** Not Available

**Technical measures to prevent exposure :** Not Available

- Provide local exhaust ventilation system or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

### **8.2.2 Individual protection measures, such as personal protective equipment**

#### **Eye and face protection**

- Wear facepiece with goggles to protect.
- An eye wash unit and safety shower station should be available nearby work place.

#### **Skin protection**

##### **(i) Hand protection :**

- Wear chemical resistant gloves.
- Wear appropriate protective gloves by considering physical and chemical properties of chemicals.

##### **(ii) Other skin protection :**

- Wear appropriate protective chemical resistant clothing.
- Wear appropriate protective clothing by considering physical and chemical properties of chemicals.

#### **Respiratory protection :**

- Wear NIOSH or European Standard EN 149 approved full or half face piece (with goggles) respiratory protective equipment when necessary.
- In case exposed to particulate material, the respiratory protective equipments as follow are recommended.  
;facepiece filtering respirator or air-purifying respirator, high-efficiency particulate air(HEPA) filter media or respirator equipped with powered fan, filter media of use(dust, mist, fume)
- In lack of oxygen(< 19.5%), wear the supplied-air respirator or self-contained oxygen breathing apparatus.

**Thermal hazards :** Not Available

- Not Available

### **8.2.3 Environmental exposure controls**

**Substance/mixture related measures to prevent exposure :** Not Available

**Instruction measures to prevent exposure :** Not Available

**Organisational measures to prevent exposure :** Not Available

**Technical measures to prevent exposure :** Not Available

## **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

#### **Appearance**

**Description :** Solid

**Color :** Colorless or varies with product

**Odor :** Not available

**Odor threshold :** Not available

**pH :** Not available

**Melting point/freezing point :** Not available

**Initial boiling point and boiling range :** Not available

**Flash point :** Not available

**Evaporation rate :** Not available

**Flammability (solid, gas) :** Not available

**Upper/lower flammability or explosive limits :** Not available

**Vapor pressure :** Not available

**Solubility (ies) :** Not available

**Vapor density :** Not available

**Specific gravity :** 1.2 ~ 1.3 g/cm<sup>3</sup>

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**Partition coefficient: n-octanol/water** : Not available

**Auto ignition temperature** : Not available

**Decomposition temperature** : Not available

**Viscosity** : Not available

**Explosive properties** : Not available

**Oxidizing properties** : Not available

**Molecular weight** : Not available

**9.2 Other information** : Not available

## SECTION 10 : STABILITY AND REACTIVITY

### 10.1 Reactivity

- Some of these materials may burn, but none ignite readily.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Containers may explode when heated.

- Fire may produce irritating and/or toxic gases.

- Some liquids produce vapors that may cause dizziness or suffocation.

- Inhalation of material may be harmful.

### 10.4 Conditions to avoid

- Ignition sources (heat, sparks or flames)

### 10.5 Incompatible materials

- Combustibles

### 10.6 Hazardous decomposition products

- Irritating and/or toxic gases

## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### A. Information on the likely routes of exposure

Not available

(a) Acute toxicity;	
Oral	Not available
Dermal	Not available
Inhalation	Not available
(b) Skin corrosion/ irritation	Not classified : Molten material will produce thermal burns.
(c) Serious eye damage/ irritation	Not classified : Molten material will produce thermal burns.
(d) Respiratory sensitization	Not available
(e) Skin sensitization	Not available
(f) Carcinogenicity	Not available
(g) Mutagenicity	Not classified
(h) Reproductive toxicity	Not available
(i) Specific target organ toxicity (single exposure)	Not classified

(j) Specific target organ toxicity (repeat exposure)	Not classified
(k) Aspiration Hazard	Not available

## SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity	
Acute toxicity	Not available
Chronic toxicity	Not available
12.2 Persistence and Degradability	Persistence : Not available Degradability : Not available
12.3 Bioaccumulative potential	Bioaccumulation : Not available Biodegradation : Not available
12.4 Mobility in soil	Not available
12.5 Results of PBT and vPvB assessment	Not available
12.6 Other adverse effects	Not available
12.7 Hazardous to the ozone layer	Not available

## SECTION 13 : DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### 13.1.1 Product / Packaging disposal

Waste codes / waste designations according to LoW : Not Available

#### 13.1.2 Waste treatment-relevant information

- Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### 13.1.3 Sewage disposal-relevant information : Not Available

#### 13.1.4 Other disposal recommendations

- Consider the required attentions in accordance with waste treatment management regulation.

## SECTION 14 : TRANSPORT INFORMATION

14.1 UN Number : Not applicable

14.2 UN Proper shipping name : Not applicable

14.3 Transport Hazard class : Not applicable

14.4 Packing group : Not applicable

14.5 Environmental hazards : Not applicable

#### 14.6 Special precautions

in case of fire : Not applicable

in case of leakage : Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available

## SECTION 15 : REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture

#### EU Regulatory Information

#### EU Classification

Classification : Not regulated

Hazard statement codes : Not regulated

**EU SVHC list** : Not regulated

**EU Authorisation List** : Not regulated

**EU Restriction List** : Not regulated

**EU BPR** : Not regulated

**Foreign Regulatory Information**

**External information** :

**Substance of Rotterdam Convention** : Not regulated

**Substance of Stockholm Convention** : Not regulated

**Substance of Montreal Protocol** : Not regulated

**15.2 Chemical safety assessment** : No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16 : OTHER INFORMATION

**Product safety data sheet for prepared in accordance with Regulation (EU) 2015/830 (REACH), Annex II**

### 16.1 Indication of changes

**Date Updated** : March 05, 2020

**Version** : 1.0

### 16.2 Abbreviations and acronyms

**ACGIH** = American Conference of Government Industrial Hygienists

**CLP** = Classification Labelling Packaging Regulation ; Regulation (EC) No 1272/2008

**CAS No.** = Chemical Abstracts Service number

**EC No.** = EINECS and ELINCS Number (see also EINECS and ELINCS)

**EU** = European Union

**IARC** = International Agency for Research on Cancer

**NIOSH** = National Institute for Occupational Safety & Health

**NTP** = National Toxicology Program

**OSHA** = European Agency for Safety and Health at work

**PBT** = Persistent, Bioaccumulative and Toxic substance

**REACH** = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 453/2010

**SVHC** = Substances of Very High Concern

**vPvB** = Very Persistent and Very Bioaccumulative

**MARPOL** = International Convention for the Prevention of Pollution from Ships (IMO)

**IBC** = Intermediate Bulk Container

**EINECS** = European Inventory of Existing Commercial chemical Substances

**ELINCS** = European List of Notified Chemical Substances

### 16.3 Key literature reference and sources for data

- American Conference of Governmental Industrial Hygienists TLVs and BEIs.
- NIOSH Pocket Guide; <http://www.cdc.gov/niosh/npg/npgdcas.html>
- National Toxicology Program; <http://ntp.niehs.nih.gov/results/dbsearch/>
- IARC Monographs on the Evaluation of Carcinogenic Risks to Humans; <http://monographs.iarc.fr>
- EU CLP; <https://echa.europa.eu/information-on-chemicals/cl-inventory-database>
- TOMES-LOLI®; <http://www.rightanswerknowledge.com/loginRA.asp>

### 16.4 Classification and procedure used to derive the classification for mixtures according to Regulation(EC) 1272/2008(CLP):

Classification according to Regulation (EC) 1272/2008	Classification procedure
Not classified	Not available

**16.5 Training advice :**

- Do not handle until all safety precautions have been read and understood.

**16.6 Further information :**

This safety data sheet (SDS) is based on the legal provisions of the REACH Regulation, as amended. Its contents are intended as a guide to the appropriate precautionary handling of the material. It is the responsibility of recipients of this SDS to ensure that the information contained therein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship. This version of the SDS supersedes all previous versions.