

Safety Data Sheet according to Regulation (EC) No 1907/2006 (REACH)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008, Annex VII: not applicable

Classification according to Regulation 67/548/EEC or Regulation 1999/45/EC: not applicable

2.2 Labelling according to Regulation (EC) No 1272/2008

not applicable

2.3 Other hazards

This product fulfils no criteria for classification as PBT and vPvB substances.

3. Composition/Information on ingredients

3.1 Substances

Product composition:

PET: CAS 25038-59-9, *INCI: POLYETHYLENE TEREPHTHALATE, ~90 %

Aluminium: CAS 7429-90-5, *INCI: CI77000, ~0,1 %

Styrene/Acrylates Copolymer: CAS 9010-92-8, *INCI: STYRENE/ACRYLATES COPOLYMER according FDA (21CFR, 176.170/180) and §§30 and 31 LFGB: ~10 %

3.2 Mixtures not applicable

4. First aid measures

4.1 Description of first aid measures

Clean dirty clothing. If necessary, consult a doctor.

Following inhalation

If breathing is difficult, remove victim to fresh air.

Following skin contact

Brush off loose particles. Wash with water and soap.

Following eye contact

Rinse eye cautiously with water for several minutes. If eye irritation persists get medical advice.

Following ingestion

Rinse mouth. If necessary, consult a doctor or call emergency number if you fell unwell.

4.2 Most important symptoms and effect, both acute and delayed

unidentified

4.3 Indication of any immediate medical attention and special treatment needed

If a victim is unconscious call immediately the local emergency number.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Sand, fire extinguish powder: fire classification D, Water, atomized spray (Water), carbon dioxide

Unsuitable extinguishing media: None known

5.2 Special hazards arising from the substances or mixture

In case of fire may produce hazardous gases/vapors: carbon monoxide, carbon dioxide

5.3 Advice for fire-fighters

During extinguishing a fire in confined areas use self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition.

No personal protective equipment required page 2/8

Refer people in the area to the release.

6.2 Environmental precautions

Do not discharge the product into drains and ground water.

6.3 Methods and material for containment and cleaning up

For larger quantities: Remove product with bucket

For smaller quantities: Remove product with bucket and broom.

6.4 Reference to other sections

Attend the protection advices under section 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

Keep packaging/container closed.

Meet minimum standards according TRGS 500. These include general hygiene measures, such as

- Do not eat, drink and smoke when using this product
- Wash your hands after using this product
- Clean contaminated clothing before a break.

Fire preventions

Take precautionary measures against static discharge during decanting/repackaging the product.

Keep away from sources of ignition. Avoid dust. Keep away from oxidizing and fire accelerant

chemicals.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Store in a dry place at room temperature. Store in a closed container.

The assembly with the following substances is prohibited:

- strong acids and bases, oxidizer and halogenated hydrocarbons
- self-flammable chemicals

Requirements for storage rooms and vessels

Store product in closed container/bag/box in a dry place with lower humidity.

7.3 Specific end uses

- Effect pigment for cosmetic products

For more information, please refer to our technical data sheet.

8. Exposure controls/personal protection

8.1 Control parameters

No constituents with occupational exposure concentrations.

8.2 Exposure controls

When handled properly, no limit and supervision necessary.

Personal protective equipment

Personal protective equipment should be selected for the specific application.

Respiratory protection

No respiratory protection is absolutely necessary.

Hand protection

No hand protection is absolutely necessary. If skin irritation or allergy to aluminum occurs:

Hand protection is recommended.

Eye protection

Safety glasses to EN 166:2001 is recommended.

Environmental exposure controls See Section 6 and 7

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: solid

Form: hexagonal/rectangular/square/fiber particles

Color: silver

Sizes: ~.002" – ~.114" (~0,05mm - ~3,0mm)

Odor: specific

Explosive properties: product is not explosive

Ignition point: n.d.

Melting point: >170°C

Boiling point: n.d.

Density: ca. 1,5 g/cm³

Water solubility: insolvable in water

9.2 Other safety information

Other physical and chemical data have not been determined.

10. Stability and reactivity

10.1 Reactivity

Product can react with strong bases (e. g. Sodium hydroxide) and acids under strong heat generation.

10.2 Chemical stability

Product is chemically stable at room temperature.

10.3 Possibility of hazardous reactions

When handled properly, no hazardous reactions are expected.

10.4 Conditions to avoid

In use avoid formation of dust/air mixtures.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Formation of flammable gases (e. g. hydrogen) in contact with strong acids and bases, oxidizing agents or halogenated hydrocarbons may possible.

11. Toxicological information

11.1 Information on toxicological effects

No toxicological data available.

Acute toxicity

No acute toxicity known.

Skin corrosion/irritation

No skin corrosion known.

Eye damage/irritation

The product could cause damage/irritate the eye by mechanical action.

Irritation to respiratory tract

No data available.

Mutagenicity

not tested

Carcinogenicity

not tested

Toxicity for reproduction

not tested

Specific target organ toxicity (single exposure)

not tested

Specific target organ toxicity (repeated exposure)

not tested

Aspiration hazard

Due the nature of the substance, there is a low risk of aspiration.

12. Ecological information**12.1 Toxicity**

No further relevant toxicological data available.

12.2 Persistence and degradability

No further relevant data available.

12.3 Bioaccumulative potential

No further relevant data available.

12.4 Mobility in soil

No further relevant data available.

12.5 Result of PBT- and vPvB- assessment

inapplicable

12.6 Other adverse effects

No further relevant data available.

13. Disposal considerations**13.1 Waste treatment methods**

Recycling is recommended. Disposal according local regulations and laws.

Waste codes/waste designations according to EWC/AVV

07 02 13 (plastic waste) / 20 01 39 (plastic waste made from separately collected fractions)

Packaging

Contaminated packaging

Clean the packaging. Then recycle the packaging according local regulations/laws.

Not contaminated packaging

Recycle packaging.

14. Transport information

14.1 UN-Number

14.2 Proper UN- shipping name

ADR/RID

not applicable

IMDG- Code / ICAO-TI / IATA-DGR

not applicable

14.3 Transport class

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards

Labelling of environmentally hazardous substances

ADR/RID / IMDG- Code / ICAO- TI / IATA- DGR: no

Marine Pollutant: no

14.6 Special precautions for user

see section 6 – 8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Disposal carried out only in approved and appropriated packaging.

15. Regulatory information

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

EU regulations

Regulation (EC) No 2037/2000 (on substances that deplete the ozone layer):

not applicable

Regulation (EC) No 850/2004 (on persistent organic pollutants):

not applicable

Regulation (EC) No 689/2008 (concerning the export and import of dangerous chemicals):

not applicable

Regulation (EC) No 648/2004 (on detergents):

not applicable.