

AlphaGary Ltd

Evoprene TPE Compounds

Health & Safety Datasheet

Ref: SEBS
Issue: 0139
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Belver Way, Melton Mowbray, Leicestershire, LE13 0DG, England. ☎ +44 (0) 1664 502 222
Fax: +44 (0) 1664 502 250

1. SUBSTANCE / PREPARATION AND COMPANY INFORMATION

- 1.1 CHEMICAL NATURE: Styrene Ethylene Butylene Styrene (SEBS) based thermoplastic elastomer (TPE) compounds in granular form.
- 1.2 COMPANY AlphaGary Limited
Belver Way,
Leicester Road Ind Est,
Melton Mowbray,
Leicestershire LE13 0DG.
- 1.3 CONTACT DETAILS Telephone : (01664) 502222
Fax : (01664) 502250
-

2. COMPOSITION INFORMATION

Compounds Containing
: SEBS
: Mineral Oil
: Secondary Polymers eg PP, PE, PS
: inorganic fillers
: Pigments
: Antioxidants / Stabilisers / Lubricants
: Talc dusting agent (grade dependant)

3. HAZARD IDENTIFICATION

Based on available information and experience, these compounds are not hazardous when handled with the normal precautions employed when processing thermoplastics. Incorrect processing or fire may result in thermal decomposition and the evolution of toxic and potentially irritating fumes.

4. FIRST AID MEASURES (Handling)

- 4.1 SKIN CONTACT No evidence of dermatological irritation/hazard.
Washing with soap and water is recommended as good practice after contact.
Contact with hot melt will burn.
Cool the affected area with clean water.
Do not remove cooled plastic.
Obtain medical attention.
-

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4.2 EYE CONTACT

Mild mechanical irritation possible as a consequence of dusting agent presence. Rinse with water to alleviate. If irritation persists obtain medical attention.

4.3 INHALATION

Mild irritation to nose, throat and may occur due to dusting agent presence when handling. When heated above 200⁰C fumes may be formed which can irritate the respiratory tract. Move affected person to fresh air. Obtain medical advise if symptoms continue.

4.4 INGESTION

Low order acute oral toxicity.

5. FIRE FIGHTING PROCEDURES

Not classified as flammable but will burn. Hazardous decomposition products may include carbon monoxide and carbon dioxide.

5.1 SUITABLE EXTINGUISHING MEDIA

Water Mist
Foam
Carbon Dioxide
(Do not use water jets)

5.2 EXPOSURE HAZARDS

Thermal decomposition or burning may release a variety of products ranging from hydrocarbons to toxic/irritating gases.

5.3 PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

Full protective clothing should be worn before a confined fire space is entered. Self contained breathing apparatus should be worn.

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6. ACCIDENTAL RELEASE MEASURES

Granules present a risk of slipping when spilled on the floor therefore shovel or sweep up or use an industrial vacuum cleaner. Avoid generating dust clouds. Put into containers for reclamation or disposal.

7. HANDLING AND STORAGE

7.1 HANDLING

Practice good housekeeping.
Ensure good ventilation and local exhaust.
Do not eat, drink or smoke in the workplace.
These products can accumulate static charges when handled. A means for dissipating charge should be employed in all pneumatic transport equipment.

7.2 STORAGE

Store in dry, temperature controlled, well ventilated conditions away from heat or ignition sources.

8. EMPLOYEE PERSONAL PROTECTION

8.1 RESPIRATORY PROTECTION

When there is a risk of over exposure to dust vapour or fumes (during product handling or processing), local exhaust ventilation (LEV) should be placed above the conversion equipment and the working area properly ventilated.

8.11 OCCUPATIONAL EXPOSURE STANDARDS (OES)

None established. It is recommended that the following are adopted in the absence of a specific OES.

Limits. (EH 40/94)

- | | |
|----------------------|--|
| (a) Rubber Fume | MEL = 0.6 mg / m ³ (8 hr TWA) |
| (b) Rubber Dust | MEL = 8 mg / m ³ (8 hr TWA) |
| (c) Mineral Oil Mist | OES = 5 mg / m ³ (8 hr TWA) |
| | OES = 10 mg / m ³ (15 min STEL) |

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8.2 PROTECTIVE CLOTHING

Safety goggles and protective clothing (heat resistant gauntlet type gloves) should be worn when exposure to product heated to processing temperatures can occur.

8.3 ADDITIONAL PROTECTIVE MEASURES

Ventilation is required to control dust concentration in air.
Ventilation is required when product is heated in processing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Solid rubber like pellets
Boiling Point	Not applicable
Melting Point	Not applicable
Specific Gravity	0.5 - 2.3 (grade dependent)
Vapour Pressure	Not applicable
Solubility in Water	Negligible
Evaporation Rate	Not applicable

10. STABILITY AND REACTIVITY

10.1 THERMAL DECOMPOSITION

Stable under ambient conditions
DO NOT EXCEED 260⁰C during processing (see 10.3)

10.2 MATERIAL TO AVOID

Avoid contact with strong oxidizing agents

10.3 HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition on heating or burning may result in variety of decomposition products ranging from simple hydrocarbons to toxic/irritating gases. Spontaneous combustion may occur above 250⁰C - 260⁰C depending on grade.

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11. TOXICOLOGICAL INFORMATION

All evidence indicates that these compounds are of extremely low inherent toxic potential.
Not irritating to eye or skin.
Not skin sensitiser.
No inhalation risk below 40°C
Biologically inert.

12. ECOLOGICAL INFORMATION

Ecotoxicological data has not been established specifically for this product.
Information provided is based on a knowledge of the components and the ecotoxicology of similar products.
Not biodegradable.
No known Bio accumulation.
Not toxic at level of water solubility, however small particles may have physical effects on aquatic and terrestrial organisms

13. DISPOSAL

Recover or recycle if possible.
Disposal of in compliance with local authority regulations via licensed waste contractor.

14. TRANSPORT INFORMATION

Not hazardous

15. REGULATORY INFORMATION

Not classified as dangerous under EC criteria

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16. OTHER INFORMATION

This material safety data sheet has been prepared in line with CHIP Regulations which implement EEC.
Directive 91/155/EEC.

DISCLAIMER

The information given is based on data currently available to us and is believed to be correct. No warranty, is expressed or implied, regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for injury from the use of the products described herein.

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