

Safety data sheet

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Volta Belting Technology data sheet according to regulation EC No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Date / Revised: 19.05.24

Version: 9

Products: **L, O, P, M, Z, G, H, K, MD, DR, TB and LT.**

1. Identification

Product identifier

L, O, P, M, Z, G, H, K, MD, DR, TB and LT.

Details of the supplier of the safety data sheet:

Company:

Volta Belting Europe B.V.

IJzersteden 18,7547 TB

Enschede The Netherlands

Phone: +31 546580166

E-mail address: elis@voltabelting.com

2. Hazards Identification

OSHA/HCS status:

This substance is not considered hazardous.

Classification of the substance or mixture:

Non-hazardous

3. Composition /Information on Ingredients

Substance

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Chemical nature

Thermoplastic elastomers in range of hardness 80 shore A – 95 shore A.

Hazardous ingredients (GHS)

Does not contain any hazardous ingredients.

Mixtures:

Chemical nature

Thermoplastic elastomers in range of hardness 80 shore A – 95 shore A.

Hazardous ingredients (GHS)

Does not contain any hazardous ingredients.

4. First-Aid Measures

Description of first aid measures

Removed contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Immediate medical attention required.

On skin contact:

Burns caused by molten material require hospital treatment.

On contact with eyes:

In case of contact with eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

On ingestion:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention.

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Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.

Hazards: No hazards anticipated.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder, carbon dioxide

Unsuitable extinguishing media for safety reasons:

Water jet

Special hazards arising from the substance or mixture

Carbon dioxide, carbon monoxide, hydrogen cyanide; hydrocyanic acid, nitrogen oxides, isocyanate. The substances/groups of substances mentioned can be released in case of fire.

Advise for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Material is inert and nonreactive.

7. Handling and Storage

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Precautions for safe handling:

Avoid breathing the melt fume during the welding process. Provide adequate ventilation and use proper respiratory and personal protective equipment. Wash thoroughly after welding process.

Condition for safe storage:

Store in a cool dry place. Avoid excessive heat, moisture, and sunlight.

8. Exposure Controls/Personal Protection**Control parameter:**Component with occupational exposure limits

The substances mentioned can be emitted in small amounts during welding process (< 0.02 ppm according to OSHA (0.005 ppm according to ACGIH TLV)).

101-68-8: Methylene diphenyl diisocyanate (MDI)

Exposure control:Personal protective equipment**Respiratory protection:**

Use breathing protection during welding process. The welding area should be provided with adequate ventilation to ensure low exposure levels to fumes.

Eye protection:

Wear splash goggles or safety glasses during welding process.

Hand protection:

Wear heat and temperature resistant gloves during welding process.

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

Form	solid conveyer belt
Color	according to product family

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Odor	odorless
Melt temperature	> 120 °C
Boiling temperature	the product is non-volatile solid
Flash point	> 200 °C
Flammability	not flammable
Ignition temperature	> 400 °C
Density	1.1 – 1.2 g/cm ³
Solubility in water	insoluble
Thermal decomposition	> 230 °C

Other information

Self-heating ability	It is not a substance capable of spontaneous heating.
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10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as indicated.

Corrosion to metals: no corrosive effect on metals.

Chemical stability

The product is stable if stored and handled as indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as indicated.

Conditions to avoid

No conditions to avoid anticipated.

Incompatible materials

Substances to avoid:

No substances known that should be avoided.

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Hazardous decomposition products:

Gaseous products of degradation can be given off if the product is greatly overheated.

During welding the belts, MDI could be emitted. Adequate ventilation should be used to maintain the limit values permitted below 0.005 ppm.

Possible thermal decomposition products:

Carbon monoxide, carbon dioxide, hydrogen cyanide; hydrocyanic acid isocyanates, nitrogen oxides

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact. Virtually by inhalation. Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 5,000 mg/kg

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Irritation

Assessment of irritating effects:

Not irritating to the eyes. Not irritating to the skin. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Respiratory/Skin sensitization

Assessment of sensitization:

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The chemical structure does not suggest a sensitizing effect.

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated dermal uptake of the substance did not cause substance-related effects.

Repeated inhalative uptake of the substance did not cause substance-related effects.

Repeated oral uptake of the substance did not cause substance-related effects.

Aspiration hazard

No aspiration hazard expected.

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12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Poorly biodegradable.

Elimination information:

Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:

Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: due to the product characteristics the test is impossible.

Other adverse effects

The product does not contain substances that are listed in Annex 1 of regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Additional information

Adsorbable organically-bound halogen (AOX):

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This product contains no organically-bound halogen.

13. Disposal Considerations

Can be used without re-conditioning.

Substance can be disposed of with domestic refuse according to local regulations.

14. Transport Information

Classified as non-hazardous substance, in accordance with transport regulations.

15. Regulatory Information

OSHA STATUS - This product is not hazardous under the OSHA Hazard Communication Standard(29 CFR 1910.1200). However, fumes from welding process may be hazardous as noted in section 8.

SARA TITEL III - Section 302 EXTREMELY HAZARDOUS SUBSTANCES - None

- **Section 311/312 HAZARD CATEGORIES** - Non-hazardous under section 311/312.

- **Section 313 TOXIC CHEMICALS** - None.

- **EU Directive** - No identification according to the 4th amendment of amendment of the regulation concerning dangerous substances (October 26, 1993).

- **Technical Regulations for Dangerous Products 900**: Limit value for MDI in air: 0,005 ppm (0,05 mg/m³).

- **Technical Regulations for Dangerous Products 500**: Appendix 3 as classifies gaseous MDI TLV- list category IIIB. Provided the recommended processing conditions are observed, the limits will not be exceeded.

16. Other Information

The information submitted in this bulletin is based on our current knowledge and belief. However, it cannot cover all possible individual situations. All chemicals may present unknown

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health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. As the user has the responsibility to provide a safe work area, all aspects of an individual operation should be examined to determine if or where, precautions, in addition to those described herein, are required. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.