SAFETY DATA SHEET

1. Identification of the substance/preparation and company/undertaking

Product name :

Supplier :

DEVENTER DICHTINGSprofielen

Emergency telephone number :

e-mail address of person responsible for this SDS :

Recommended use : thermoplastic elastomer products

2. Hazards identification

-

Classification : This product does not present a danger to human health or the aquatic environment in the form in which it is placed on the market. Therefore, based on section 9.3 of Annex VI of the Dangerous Substances Directive 67/548/EEC, this product does not require labelling, although it is classified as dangerous according to the Dangerous Preparations Directive 1999/45/EEC.

Human health hazards : Heated material can cause thermal burns.Dust may cause mechanical irritation.

Environmental hazards : Based on the available data of this product no hazardous properties are known.

Physical/chemical hazards : Combustible

Remarks : Hazard of slipping on spilt product.Heated material can cause thermal burns.Electrostatic charging can occur during unloading or processing of this material. If necessary take precautionary measures against static discharges.Appropriate precautions should be taken if the product is subjected to secondary processing.If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Dust may cause mechanical irritation.

3. Composition/information on ingredients

Substance/preparation : Preparation

Chemical description : Thermoplastic elastomer based on EPDM and polyolefins.

Ingredient name	CAS no.	%	EC no. *	Classification
Talc	14807-96-6	1 - 15	238-877-9	Not classified.
zinc oxide	1314-13-2	0 - 1.5	215-222-5	N; R50/53
See section 16 for the full text of the R-phrases declared above				

*** EC no. means EINECS or ELINCS number.**

Remarks : The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available.Any hazardous constituents are fixed in the polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling.Additives contained in this product do not pose a risk to health unless they are liberated during processing (fumes from melting, dusts).Suitable Industrial Hygiene precautions should be implemented to prevent (respirable) dust and fume exposures.Exposure to (melting) fumes should be kept as low as possible, using suitable ventilation equipment.Dusts and fumes created from secondary processing may be irritating to respiratory tract and skin and should be considered as potentially hazardous.If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Occupational exposure limits, if available, are listed in section 8.

4. First-aid measures

Remarks : Dusts and fumes created from secondary processing may be irritating to respiratory tract and skin and should be considered as potentially hazardous.

Effects and symptoms

Inhalation : Not applicable.

Ingestion : There is no known acute effect after over-exposure to this product.

Skin contact : Heated material can cause thermal burns resulting in pain, redness, blistering.

Eye contact : May cause eye irritation. (redness).

First-aid measures

Inhalation : Not applicable.

4. First-aid measures

Ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention if symptoms occur.

Skin contact : Rinse with plenty of running water.Do not pull coagulated product loose. Get medical attention.

Eye contact : Rinse with plenty of running water. Obtain medical attention if symptoms occur.

First aid facilities : No special recommendations.

5. Fire-fighting measures

Extinguishing media

Small fire

Suitable : Use dry chemical or CO_2.

Large fire

Suitable : Use dry chemical powder. Alcohol-resistant foam.

Unusual fire/explosion hazards : No specific hazard.

Hazardous thermal decomposition products : In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, organic acids.

Special fire-fighting procedures : Avoid contact with heated material.

Protection of fire-fighters : Wear suitable protective clothing. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions : Use suitable protective equipment (section 8).

Environmental precautions : No special measures required.

Clean-up Methods

Small spill and leak : Vacuum or sweep up material and place in a designated, labelled waste container. Clean up affected area with a large amount of water.

Large spill and leak : Vacuum or sweep up material and place in a designated, labelled waste container. Recycle, if possible. Prevent formation of dust clouds. Clean up affected area with a large amount of water.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Use with adequate ventilation.

Storage : No special measures required.

Remarks : Octabins can be stacked up to three high.Big Bags and pallets may not be stacked.
Small amounts of fine particles or dust may be formed from pelletised product impacting with material handling systems. If permitted to accumulate, these fine particles or dust can, under certain conditions, pose an explosion hazard.

Note: See section 10 for stability and reactivity

8. Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Occupational exposure limits
Europe	
Talc	**ACGIH TLV (United States, 1/2007). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens. The value is for total dust containing no asbestos and < 1% crystalline silica. Respirable fraction; see Appendix C, paragraph C.** TWA: 2 mg/m³ 8 hour(s).
zinc oxide	**ACGIH TLV (United States, 1/2007). Notes: Respirable fraction; see Appendix C, paragraph C. ACGIH 2003 Adoption** STEL: 10 mg/m³ 15 minute(s). TWA: 2 mg/m³ 8 hour(s).

Engineering measures : Use only with adequate ventilation.Local exhaust ventilation should be provided.

Hygiene measures : When using do not eat, drink or smoke. Wash hands after handling compounds and before eating, smoking and using the lavatory and at the end of the day.

Personal protective equipment - Production scale

Respiratory system : No special protection is required. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin and body : Working clothes.

Eyes : Face shield.

Hands : When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molten product.

Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure situation.

9. Physical and chemical properties

Physical state : Solid. [Granules]
Colour : natural
Odour : Rubberlike [Slight]
Flash point : Not available.
Lower explosion limit : Not available.
Upper explosion limit : Not available.
Density (g/cm^3) : 0.9 to 1 g/cm^3
Solubility : Insoluble in the following materials: cold water.

10. Stability and reactivity

Stability : Stable under recommended storage and handling conditions (see section 7).
Conditions to avoid : Temperatures above decomposition temperature
Materials to avoid : Strong oxidising materials

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Eye contact : No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
zinc oxide	LD Oral LD50 Oral	Rat Mouse	>8437 mg/kg 7950 mg/kg	- -

Potential chronic health effects

Chronic effects : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Chronic toxicity : No specific data.

Carcinogenicity : No specific data.

Mutagenicity : No specific data.

Teratogenicity : No specific data.

Reproductive toxicity : No specific data.

International regulations lists

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Talc zinc oxide	A4 A4	3 -	- -	- -	- -	- -

Remarks : The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available.The likelihood of adverse health effects arising from normal use of the product are considered very low.

12. Ecological information

Environmental effects : No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure	Effects	Test
zinc oxide	Acute IC50 0.07 mg/l Acute LC50 1.1 mg/L	Algae Fish	72 hours 96 hours	- -	- Mortality

Persistence/degradability : No specific data.

12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

Mobility : For data on physical state and solubility see section 9.

Remarks : The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available.

13. Disposal considerations

Methods of disposal (waste of residues; contaminated packaging) : Waste must be disposed of in accordance with national and local environmental regulations.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-		-
ADNR Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA Class	Not regulated.	-	-	-		-

PG* : Packing group
Attention, please read EMS notations like _E-S_ or _F-D_ as E-S or F-D

15. Regulatory information

EU regulations

Risk phrases : -

Remarks : This product does not present a danger to human health or the aquatic environment in the form in which it is placed on the market. Therefore, based on section 9.3 of Annex VI of the Dangerous Substances Directive 67/548/EEC, this product does not require labelling, although it is classified as dangerous according to the Dangerous Preparations Directive 1999/45/EEC.

Additional warning phrases : Safety data sheet available for professional user on request.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - Europe : R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - Europe : N - Dangerous for the environment

Internal code : WW35289

History

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Notice to reader

The information contained in the Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality. The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications.
The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.

Training advice : Before handling this substance/preparation, the personnel involved should be instructed by means of this safety data sheet.

Sources of key data : Literature data and/or investigation reports are available through the manufacturer.

Alterations compared to the previous version : Alterations compared to the previous version are marked with a little (blue) triangle.