

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifiers

Identification of the substance or mixture  
Reflective glass beads DURALUX  
for all types and size

### 1.2. Relevant identified uses

**Relevant identified uses**  
see technical information  
Marking material or accessories for paint and varnishes

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

#### supplier (manufacturer/importer/downstream user/distributor)

M. SWAROVSKI  
Gesellschaft m.b.H.  
Industriestraße 10  
A- 3300 Amstetten  
Telephone: +43 7472 202-0  
Telefax: +43 7472 249  
E-mail office.msa@swarco.com

#### Dept. responsible for information:

E-mail (competent person) msds.msa@swarco.com

### 1.4. Emergency telephone number

Emergency telephone number +43 1 406 43 43

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

### 2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard pictograms

#### Hazard statements

not applicable

#### Precautionary statements

not applicable

#### contains:

not applicable

#### Supplemental Hazard information (EU)

not applicable

### 2.3. Other hazards

Do not breathe dust. Hazards identification: Irritation to eyes; Respiratory system; Skin.

## 3. Composition / Information on ingredients

### 3.2. Mixtures

#### Product description / chemical characterization

#### Composition / Information on ingredients

REACH No.	Chemical name	classification:	Remark
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Alkaline earth titanium aluminum silicate glass

#### Additional information

Full text of classification: see section 16

#### 4. First-aid measures

##### 4.1. Description of first aid measures

###### General information

In all cases of doubt, or when symptoms persist, seek medical advice.

###### In case of inhalation

Inhalation of dust may cause irritation of the respiratory system. Move victim to fresh air.

###### Following skin contact

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

###### After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

###### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Keep victim calm. Do NOT induce vomiting.

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

Potential hazards: Irritating to skin. Pulmonary irritation. Cough.

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

none

#### 5. Firefighting measures

##### 5.1. Extinguishing media

###### Suitable extinguishing media:

No special measures are required.

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

No risks worthy of mention.

##### 5.3. Special protective equipment for firefighters:

Provide a conveniently located respiratory protective device.

###### Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

#### 6. Accidental release measures

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

See protective measures under point 7 and 8.

##### 6.2. Environmental precautions

Knock down dust with water spray jet.

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

Avoid generation of dust. Knock down dust with water spray jet.

##### 6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

#### 7. Handling and storage

##### 7.1. Precautions for safe handling

###### Advices on safe handling

When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Follow the legal protection and safety regulations.

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

###### Requirements for storage rooms and vessels

Contaminated packaging: Keep locked up. Store in a dry place. Avoid: Dust deposits.

###### Further information on storage conditions

No special measures are required.

##### 7.3. Specific end use(s)

Observe technical data sheet.

## 8. Exposure controls / Personal protection

### 8.1. Control parameters

#### Occupational exposure limit values:

General dust limit MAK:

DE (TRGS, ASGW): 3 mg/m<sup>3</sup> (A), 10 mg/m<sup>3</sup> (E)

AT (GKV, MAK): 5 mg/m<sup>3</sup> (A), 10 mg/m<sup>3</sup> (E)

CH (SUVA, MAK): 3 mg/m<sup>3</sup> (A), 10 mg/m<sup>3</sup> (E)

US (OSHA, PEL): 5 mg/m<sup>3</sup> (A), 15 mg/m<sup>3</sup> (E)

Attention: Please, observe the legal limits for dust exposure (total dust, respirable fraction).

For more information about the legal limits in your country contact the responsible person.

Experts of hygiene or the regulatory authority of the country can help you herewith!

### 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

#### Occupational exposure controls

##### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Particle filter device (DIN EN 143) P2.

##### Hand protection

Wear protective gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Eye protection

Recommendation: Wear eye glasses with side protection according to EN 166.

##### Protective clothing

Wear suitable protective clothing.

##### Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser. Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

##### Environmental exposure controls

See chapter 7. No additional measures necessary.

## 9. Physical and chemical properties

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

#### Appearance:

Physical state	solid/spherically
Colour	transparent/ambergris
Odour	odorless

#### Safety relevant basis data

	Unit	Method	Remark
Flash point	Not applicable °C		
Ignition temperature in °C:	not applicable °C		
Lower explosion limit	not applicable Vol-%		
Upper explosion limit	not applicable Vol-%		
Vapour pressure at 20 °C:	not applicable mbar		
Bulk density: ca.	1,80 g/cm <sup>3</sup>		
Water solubility (g/L)	insoluble		
pH:	-		
Viscosity:	not applicable		
Melting point / melting range: ca.	1100 °C		

### 9.2. Other information:

## 10. Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

**10.3. Possibility of hazardous reactions**

No risks worthy of mention.

**10.4. Conditions to avoid**

No special measures are required.

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**

No data available

**11. Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Toxicological data are not available.

**skin corrosion/irritation; Serious eye damage/eye irritation**

Toxicological data are not available.

**Respiratory or skin sensitisation**

Toxicological data are not available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Toxicological data are not available.

**Specific target organ toxicity**

Toxicological data are not available.

**Aspiration hazard**

Toxicological data are not available.

**Practical experience/human evidence**

Other observations:

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin.

**Overall Assessment on CMR properties**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself .

**12. Ecological information**

**overall evaluation**

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

There is no information available on the preparation itself .non-hazardous to water (nwg)

**12.1. Toxicity**

No information available.

**Long-term Ecotoxicity**

Toxicological data are not available.

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**Bioconcentration factor (BCF)**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. **Other adverse effects**  
No data available.

### 13. Disposal considerations

#### 13.1. Waste treatment methods

**Appropriate disposal / Product Recommendation**

To follow: National regulations. Completely emptied packages can be recycled.

**List of proposed waste codes/waste designations in accordance with EWC**

101199 wastes not otherwise specified

### 14. Transport information

**This mixture is not classified as dangerous according to international transport regulations (ADR/RID, IMDG, ICAO/IATA).**

**No dangerous good in sense of this transport regulation.**

#### 14.1. UN number

not applicable

#### 14.2. UN proper shipping name

#### 14.3. Transport hazard class(es)

not applicable

#### 14.4. Packing group

not applicable

#### 14.5. Environmental hazards

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

#### 14.6. Special precautions for user

Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Additional information**

**Land transport (ADR/RID)**

tunnel restriction code

-

**Sea transport (IMDG)**

EmS-No.

not applicable

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### 15. Regulatory information

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

**EU legislation**

To follow: EU legislation

**National regulations**

**Other regulations, restrictions and prohibition regulations**

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

### 16. Other information

**Full text of classification in section 3:**

**Additional information**

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



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Reflective glass beads DURALUX  
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EN  
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The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

#### **Annex**

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.