

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

CG 610 A

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

2-component epoxy adhesive (Resin)

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

Company name: D. Swarovski Distribution GmbH

Street: Swarovskistraße 30

Place: 6112 Wattens

Country: Austria

Telephone: 0043 (0)5224 500 1330

Emergency telephone number: 0043 (0)5224 500 1330

Responsible for the safety data sheet: [technical.customer.support@swarovski.com](mailto:technical.customer.support@swarovski.com)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GHS classification

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Hazardous components which must be listed on the label

Epoxy resin (number average molecular weight  $\leq$  700), reaction product: bisphenol-A-(epichlorhydrin)

Signal word: Warning

Pictograms: GHS07



#### Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P361 Take off contaminated clothing.

P363 Wash contaminated clothing before reuse.

P305+P338+P351 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container to in accordance with local and national regulations.

### 2.3. Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
500-033-5	Epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	< 25 %
25068-38-6		
603-074-00-8	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H319 H317 H411	
01-2119456619-26		

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

#### After contact with skin

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

#### After ingestion

Do not induce vomiting.

Never give anything by mouth to an unconscious person.

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

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

Irritating to eyes and skin.

Sensitization through skin contact possible.

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

Treat symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

#### **Unsuitable extinguishing media**

Full water jet.

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

Fire may produce:

Carbon monoxide and carbon dioxide

Phenoles

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

#### **Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

In case of vapour formation use respirator.

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

### 6.2. Environmental precautions

Clean contaminated surface thoroughly.

Do not discharge into the drains/surface waters/ground water.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

### 6.4. Reference to other sections

Information for disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

#### **Advice on protection against fire and explosion**

No special protective measures against fire required.

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

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

Keep container tightly closed in a dry, cool and well-ventilated place.

Protect against direct sun radiation.

#### **Advice on storage compatibility**

Incompatible with:

Strong oxidizing agents, Amines, Acids and bases.

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

2-component epoxy adhesive (Resin)

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Use barrier skin cream.

Remove and wash contaminated clothes before re-use.

#### Eye/face protection

Eye wash bottle with pure water (EN 15154).

Tightly fitting goggles (EN 166).

#### Hand protection

In full or splash contact: Glove of nitrile rubber, breakthrough time > 480 min.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

#### Skin protection

Long sleeved clothing (EN 368).

#### Respiratory protection

No personal respiratory protective equipment normally required.

## SECTION 9: Physical and chemical properties

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

Physical state:	Liquid	
Colour:	Transparent	
Odour:	Soft	
Initial boiling point and boiling range:	n.a.	DIN 51571
Flash point:	> 200 °C	DIN 51758
Lower explosion limits:	n.d.	
Upper explosion limits:		
Vapour pressure: (at 20 °C)	0,0001 hPa	
Density (at 25 °C):	1,08 g/cm <sup>3</sup>	DIN 51757
Water solubility:	Immiscible	DIN 51794
Ignition temperature:	> 300 °C	
Viscosity / dynamic: (at 23 °C)	14000 mPa·s	

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.  
Protect against direct sun radiation.  
Polymerisation occurs when exposed to heat.

### 10.5. Incompatible materials

Strong oxidizing agents, Amines, Acids and bases.

### 10.6. Hazardous decomposition products

Fire may produce:

Carbon monoxide and carbon dioxide.

Phenol

### Further information

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

No toxicological data available.

Epoxy resin (number average molecular weight  $\leq$  700), reaction product: bisphenol-A-(epichlorhydrin)

LD50/oral/rat: > 2000 mg/kg

LD50/dermal/rabbit: > 2000 mg/kg

CAS No	Chemical name	Method	Dose	Species	Source
25068-38-6	Exposure routes				
	Epoxy resin (number average molecular weight $\leq$ 700), reaction product: bisphenol-A-(epichlorhydrin)				
	dermal	LD50	11400 mg/kg	Rat	Source

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Eye irritation: Irritant

Skin irritation: Irritant

#### Sensitising effects

May cause an allergic skin reaction. (Epoxy resin (number average molecular weight  $\leq$  700), reaction product: bisphenol-A-(epichlorhydrin))

Sensitization through skin contact possible.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

STOT - Single exposure: Not classified.

STOT - Repeated exposure: Not classified.

Aspiration hazard: Not classified.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Carcinogenicity: Not classified.

Mutagenicity: Not classified.

Teratogenicity: Not classified.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

**SECTION 12: Ecological information****12.1. Toxicity**

Ecological data are not available.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
25068-38-6	Epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)					
	Acute fish toxicity	LC50	3,6 mg/l	96 h	Leuciscus idus	
	Acute algae toxicity	ErC50	220 mg/l	96 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50	2,8 mg/l	48 h	Daphnia magna	

**12.2. Persistence and degradability**

Not readily biodegradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

No data available.

**12.6. Other adverse effects**

Hazardous water pollutant.

**Further information**

Do not flush into surface water or sanitary sewer system.

Hazardous water pollutant.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

**Waste disposal number of waste from residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances  
Classified as hazardous waste.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

**SECTION 14: Transport information****14.1. Special precautions for user**

No specific precautions required.

**14.2. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

The transport takes place only in approved and appropriate packaging.

**Other applicable information**

No hazardous material as defined by the transport regulations.

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## **SECTION 15: Regulatory information**

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

#### **EU regulatory information**

1999/13/EC (VOC): 0 %

#### **National regulatory information**

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

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## **SECTION 16: Other information**

### **Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization  
DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

### **Relevant H- and EUH-phrases (Number and full text)**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

### **Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*