

## SAFETY DATA SHEET

### GEODE RESIN / RESIN

according to Reg. (EU) No 453/2010

COLORBERRY GmbH encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Product name:** COLORBERRY GEODE RESIN - RESIN

**Product code:** GEODE RESIN

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

Identified uses: Used in applications such as: Adhesives. Casting. Painting. Tooling. Civil engineering. Composites. Potting and encapsulation. Decoupage coating.

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

**Company name:** COLORBERRY GmbH  
Wolfersberg 1  
85667 Oberpfammern  
Germany

**Tel.:** 0049-151-1001 61 31

**email:** kontakt@colorberry.de

### 1.4 EMERGENCY TELEPHONE NUMBER

**Tel.:** 0049-151-1001 61 31  
(office hours only)

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008:** Skin irritation - Category 2 - H315  
Eye irritation - Category 2 - H319  
Skin sensitisation - Category 1 - H317  
Chronic aquatic toxicity - Category 2 - H411

**Most important adverse effects:** Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

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**Hazard statements:** 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.

GHS07: Exclamation mark

GHS09: Environmental

**Hazard pictograms:**



**Singani word:** Warning

**Precautionary statements :** P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P332+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501: Dispose of contents / container to a collection point for hazardous waste in accordance with local, regional, national and / or international regulations.

## 2.2 Other hazards

**PBT:** This Product is not identified as a PBT / vPvB substance.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

**This Product is a mixture**

Reaction product: Bisphenol F- (epichlorohydrin); epoxy resin

EINECS	CAS	PBT / WEL	CLP classification	prozent
500-006-8	9003-36-5	-	Skin Irrit. - 2 - H315 Skin Sens. - 1A - H317 Aquatic Chronic - 2 - H411	>49 %

Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700)

500-033-5	5068-38-6	-	Skin Irrit. - 2 - H315 Eye Irrit. - 2 - H319 Skin Sens. - 1B - H317 Aquatic Chronic - 2 - H411	>49 %
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Ethyl 4-[[[(methylphenylamino)methylene]amino]benzoate

260-976-0	57834-33-0	-	Acute Tox.- 4 - H302 Stor RE - 2 - H373 Aquatic Chronic - 2 - H411	<= 0.5 %
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## SECTION 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

- General advice:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection)
- Inhalation:** Move person to fresh air; if effects occur, consult a physician.
- Skin contact:** Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.
- Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist. Suitable emergency eye wash facility should be available in work area.
- Ingestion:** If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

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

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

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

- Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## SECTION 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

**Suitable extinguishing media:** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Alcohol resistant foams (ATC type) are preferred. General purpose synthetic foams (including AFFF) or protein foams may function, but will be less effective. Water fog, applied gently may be used as a blanket for fire extinguishment.

**Unsuitable extinguishing media:** Do not use direct water stream. May spread fire.

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

**Hazardous combustion products:** In combustion emits toxic fumes

### 5.3 Advice for firefighters

**Fire Fighting Procedures:** Wear self-contained breathing apparatus. Wear protective cloth to prevent contact with skin and eyes.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions:** Isolate area. Keep unnecessary and unprotected personnel from entering the area. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection. Refer to section 7, Handling, for additional precautionary measures.

## 6.2 Environmental precautions:

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

## 6.3 Methods and materials for containment and cleaning up:

**Clean-up procedures:** Absorb with materials such as: Sand. Polypropylene fiber products. Polyethylene fiber products. Collect in suitable and properly labeled containers.

## 6.4 Reference to other sections

**Reference to other sections:** References to other sections, if applicable, have been provided in the previous sub-sections

## SECTION 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

**Handling requirements:** Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid use of electric band heaters.

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

**Storage conditions:** Store in a cool, well ventilated area / room. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

### 7.3 Specific end use(s):

**Specific end use(s):** See the technical data sheet on this product for further information.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Exposure limits are listed below, if they exist. Exposure limits have not been established for those substances listed in the composition, if any have been disclosed.

### 8.2 Exposure controls

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines.

**Eye/face protection:** Use safety glasses (with side shields). Safety glasses (with side shields) should be consistent with EN 166 or equivalent.

**Hand protection:** Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms.

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**Skin protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator. Use the following CE approved air-purifying respirator: Organic vapor cartridge, type A (boiling point >65 °C).

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state:** Liquid

**Color:** Clear

**Odor:** Mild

**Boiling point (760 mmHg):** > 100 °C Literature

## SECTION 10. STABILITY AND REACTIVITY

### 10.1 Reactivity:

**Reactivity:** no data available

### 10.2 Chemical stability:

**Chemical stability:** Stable under recommended storage conditions. See Storage, Section 7.

### 10.3 Possibility of hazardous reactions:

**Possibility of hazardous reactions:** Will not occur by itself. Masses of more than one pound (0.5 kg) of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

### 10.4 Conditions to avoid:

**Conditions to avoid:** Avoid short term exposures to temperatures above 300 °C  
Potentially violent decomposition can occur above 350 °C  
Avoid prolonged exposure to temperatures above 250 °C  
Generation of gas during decomposition can cause pressure in closed systems. Pressure build-up can be rapid.

### 10.5 Incompatible materials:

**Incompatible materials:** Avoid contact with oxidizing materials. Avoid contact with: Acids. Bases. Avoid unintended contact with amines.

### 10.6 Hazardous decomposition products:

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**Hazardous decomposition products:** Decomposition products depend upon temperature, air supply and the presence of other materials. Gases are released during decomposition. Uncontrolled exothermic reaction of epoxy resins release phenolics, carbon monoxide, and water.

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

- Acute toxicity** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury;
- Acute oral toxicity :** however, swallowing larger amounts may cause injury. As product: Single dose oral LD50 has not been determined.
- Acute dermal toxicity:** Prolonged skin contact is unlikely to result in absorption of harmful amounts.  
As product: The dermal LD50 has not been determined. Based on information for component(s):Based on information for component(s): LD50, RBT, > 2,000 mg/kg Estimated.
- Acute inhalation toxicity:** At room temperature, exposure to vapor is minimal due to low volatility; vapor from heated material may cause respiratory irritation.  
As product: The LC50 has not been determined.
- Skin corrosion/irritation:** Brief contact may cause moderate skin irritation with local redness. Repeated contact may cause moderate skin irritation with local redness. May cause more severe response if skin is abraded (scratched or cut).
- Serious eye damage/eye irritation:** May cause eye irritation.  
Corneal injury is unlikely.

### 11.2 COMPONENTS INFLUENCING TOXICOLOGY

- Reaction product: Bisphenol F-(epichlorohydrin); epoxy resin**
- Acute oral toxicity**  
LD50,  
RAT, > 2,000 mg/kg OECD 401 or equivalent no deaths occurred at this concentration.
- Acute inhalation toxicity**  
The LC50 has not been determined.
- Reaction product: Bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight <= 700)**
- Acute oral toxicity**  
LD50, RAT, > 15,000 mg/kg
- Acute inhalation toxicity**  
The LC50 has not been determined.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Ecotoxicity values:** No data available

### 12.2 Persistence and degradability

**Persistence and degradability:** No Biodegradation

## 12.3 Bioaccumulative potential

**Bioaccumulative potential:** Bioaccumulation potential

## 12.4 Mobility in soil

**Mobility in soil:** Potential for mobility in soil

## 12.5 Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not considered to be persistent, bioaccumulating and toxic (PBT).

## 12.6 Other adverse effects

**Other adverse effects:** This substance is not in Annex I of Regulation (EC) No 1005/2009 on substances that deplete the ozone layer.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required. Do not dump into any sewers, on the ground, or into any body of water. The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

## SECTION 14. TRANSPORT INFORMATION

**UN number:** UN 3082

**UN proper shipping name:** Environmentally hazardous substance, liquid, n.o.s.(Epoxy resin)

**Transport hazard class(es):** 9

**Packing group:** III

**Environmentally hazardous:** Not applicable

**Special precautions for user:** No special precautions  
Tunnelcode: E  
Transport category: 3

**Transport in bulk according to Annex II of Marpol and the IBC Code:** Consult IMO regulations before transporting ocean bulk

## SECTION 15. REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
REACH Regulation (EC) No 1907/2006

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This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH). The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.**

Listed in Regulation: ENVIRONMENTAL HAZARDS

Number in Regulation: E2

**Remarks:**

Reaction product: Bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight  $\leq 700$ ) can also be described by the CAS# 025085-99-8.

## 15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out for these substances.

## SECTION 16. OTHER INFORMATION

### 16.1 OTHER INFORMATION

**Other Information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) no. 2015/830.

**Phrases used on page 1:** 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.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.