

Date of issue: 24.07.2019 Replaces Data Sheet of: 07.02.2018

"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



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

- 1.1 **Product identifier**
Trade Name: 2K-Gießharz (Epoxidharz) / 2C Casting resin (epoxy resin)
Article No.: 171667
Preparation No.: 17166701
Registration No.: 01-2119456619-26-xxxx
UFI - Code: NV4N-KF29-KK1X-4MA3
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Identified uses: Scale model purpose
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 Gebr. FALLER GmbH, Kreuzstraße 9, 78148 Gütenbach, D -
 Telephone: +49-7723-651-0, Telefax: +49-7723-651-161, E-Mail: kundendienst@faller.de
- 1.3.2 **Responsible for the data sheet:**
 CoSiChem AG, Ernst-Lemmer-Straße 23, 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking National Poisons Information Service
 Telephone: +49-7723-651-0 (8:30 – 16:30) Telephone: +44 121 507 4123

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 Eye Irrit. 2; H319 / Skin Irrit. 2; H315 / Skin Sens. 1; H317 / Aquatic Chronic 2; H411

- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Danger
 Component(s): 603-074-00-8 reaction product: bisphenol-A epichlorohydrin resins with average molecular weight ≤ 700 , "EC Label"

Hazard pictogram(s):



H - Phrases:

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

P - Phrases:

P102: Keep out of reach of children.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P501: Dispose of contents / container to municipal collection point.

Additional Markings:

None.
 The above mentioned labelling is valid for distribution to public use.

- 2.3 **Other hazards**
 According to the results of the evaluation this substance is not PBT or vPvB

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SECTION 3: Composition/information on ingredients

3.1 **Substances**

Dangerous Ingredients:

Material				m% - range
CAS - No.	Index - No.	EC - No.	REACH - No.	
Hazard Code(s) / H - phrases				
Reaktionsprodukt: Bisphenol-A Epichlorhydrinharze mit durchschnittlichem Molekulargewicht ≤ 700				> 99%
25068-38-6	603-074-00-8	500-033-5	01-2119456619-26-xxxx	
Eye Irrit. 2; H319 / Skin Irrit. 2; H315 / Skin Sens. 1; H317 / Aquatic Chronic 2; H411				

3.2 **Mixtures**

n.ap.

SECTION 4: First aid measures

4.1 **Description of first aid measures**

4.1.1 **Inhalation:**

After inhalation of product / fumes of fire leave contaminated area and provide for fresh air. In the event of symptoms occurring, seek medical treatment.

4.1.2 **Skin Contact:**

Wash with soap and water.

4.1.3 **Eye Contact:**

In case of contact with eyes rinse thoroughly with water

4.1.4 **Ingestion:**

Do not cause vomiting.
Rinse mouth out and drink plenty of water afterwards.
In the event of symptoms occurring, seek medical treatment.

4.2 **Most important symptoms and effects, both acute and delayed**

None.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 **Extinguishing media**

5.1.1 **Suitable Extinguishing Media:**

water spray jet, Foam, dry chemicals, CO2.

5.1.2 **Extinguishing Media to Avoid:**

None.

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

In the case of fire, the following product(s) may form: Organic crackproducts and carbon oxides. inorganic dust

5.3 **Advice for firefighters**

5.3.1 **Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.

5.3.2 **Additional Information:**

None.

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SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
 See chapter 8.2.2
 High risk of slipping due to leakage / spillage of product.
 Provide sufficient ventilation.
- 6.2 **Environmental precautions**
 Do not allow larger quantities to enter drainage.
 Inform responsible authorities in the case of accidental release of larger quantities.
- 6.3 **Methods and material for containment and cleaning up**
 Dispose of absorbed material in accordance with the regulations.
- 6.4 **Reference to other sections**
 None.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling**
- 7.1.1 **Precautions for Safe Handling:**
 Avoid contact with eyes and skin.
 Take off contaminated, saturated clothing immediately.
 Do not inhale dust, gas, vapours, fire -fumes.
 Do not eat, drink or smoke during work.
- 7.1.2 **Precautions in Case of Fire and Explosion:**
 No special measures necessary
- 7.2 **Conditions for safe storage, including any incompatibilities**
- 7.2.1 **Storage Instructions:**
 No special measures required.
- 7.2.2 **Store away from:**
 Store away from oxidising agents.
- 7.2.3 **Further Information on Storage Conditions:**
 None.
- 7.3 **Specific end use(s)**
 n.av.

SECTION 8: Exposure controls/personal protection

- 8.1 **Control parameters**

Material	Limit Value
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- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls**
 Observe the usual precautionary measures for handling chemicals.
- 8.2.2 **Individual protection measures**
- 8.2.2a **Respiratory Protection:** If ventilation is insufficient, wear respiratory protection
- 8.2.2b **Hand Protection:** In case of prolonged skin contact use protective gloves.
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
 Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
- 8.2.2c **Eye Protection:** Goggles
- 8.2.2d **Skin Protection:** Light protective clothing
- 8.2.2e **Further Information:** Observe wearing time limits: Not relevant
- 8.2.3 **Environmental exposure controls:**
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

9.1.1	Form: liquid	Colour: yellow	Odour: mild epoxy
			Odour threshold: n.av.
9.1.2	pH-value, undiluted:	~7	
	pH-value, 1% aqueous solution:	n.av.	
9.1.3	Boiling point / Boiling - range (°C):	> 260, Melting point / Melting range (°C):	n.av.
9.1.4	Flash point (°C):	252, closed cup	
9.1.5	Flammability (EEC A10/A13):	n.ap.	
9.1.6	Ignition temperature (°C):	> 300	
9.1.7	Autoflammability (EEC A16):	n.ap.	
9.1.8	Oxidising properties:	None.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	n.av., upper: n.av.	
9.1.11	Vapour pressure:	< 0,00001 kPa	
	Vapour density (Air = 1):	> 1	
9.1.12	Density (g/ml):	1,16	
9.1.13	Solubility (in Water):	insoluble	Soluble in:
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	11000 – 14500 cP	
9.1.16	Solvent content (m %):	n.av.	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	Other information		
	n.av.		

SECTION 10: Stability and reactivity

10.1	Reactivity
	None.
10.2	Chemical stability
	Stable at normal temperature.
10.3	Possibility of hazardous reactions
	No hazardous reactions known.
10.4	Conditions to avoid
	No hazardous reactions known.
10.5	Incompatible materials
	Contact with oxidising agents may lead to strong reactions.
10.6	Hazardous decomposition products
	No dangerous decomposition products when properly handled.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute Health Effects:

Inhalation: n.av.

Ingestion: n.av.

Skin Contact: n.av.

Skin corrosion / irritation: Causes skin irritation.

Serious eye damage / irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: n.av.

Carcinogenicity: n.av.

Reproductive toxicity: n.av.

STOT-single exposure: n.av.

STOT-repeated exposure: n.av.

Aspiration hazard: n.av.

11.1.1 – Practical Experience

11.1.11 n.av.

11.1.12 Practical Experience

Observations relevant for classification:

None.

Further Observations:

Frequent or permanent contact to skin may lead to irritation or dermatitis.

SECTION 12: Ecological information**12.1 Toxicity**

n.av.

12.2 Persistence and degradability

The product is not readily biodegradable to OECD criteria but is inherently biodegradable.

12.3 Bioaccumulative potential

n.av.

12.4 Mobility in soil

n.av.

12.5 Results of PBT and vPvB assessment

According to the results of the evaluation this substance is not PBT or vPvB

12.6 Other adverse effects

12.6.1 COD-Value, mg/g: n.av.

12.6.2 BOD5-Value, mg/g: n.av.

12.6.3 AOX-Remarks: Not relevant

12.6.4 Significant Components: None.

12.6.5 Other adverse effects: None.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

13.1.1 Recommendation: D 10 / R 1

Waste - Code - No.: 20 01 30

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner.

Otherwise as described under Residues.

Packaging that cannot be cleaned should be disposed of as for product

13.2.2 Safe Handling: As described under Residues.

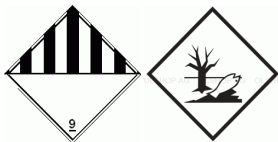
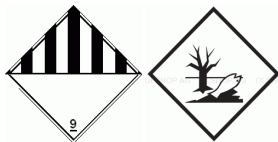
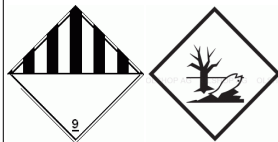
Observe the usual precautionary measures for handling chemicals.

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SECTION 14: Transport information

	ADR	IMDG	IATA
14.1	UN number 3082	3082	3082
14.2	UN proper shipping name UN 3082 Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A- epichlorhydrin resin)	Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A-epichlorhydrin resin) & MARINE POLLUTANT	Environmentally hazardous substance, liquid, n.o.s. (reaction product: bisphenol-A- epichlorhydrin resin)
14.3	Transport hazard class(es) 9 	9 	9 
14.4	Packing group III	III	III
14.5	Environmental hazards	Yes.	
14.6	Special precautions for user Transport category: 3 Classification Code: M6 Hazard - No.: 90 LQ: 5 L	F-A, S-F	Packing Instructions (Passenger) 964 Packing Instructions (Cargo) 964
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		
		None.	

SECTION 15: Regulatory information

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

15.2 **Chemical safety assessment :**
A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of H phrases mentioned in Section 3

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.

This datasheet has been compiled in accordance with EU regulation 2015/830.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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