

Date of issue: 07.02.2018 Replaces Data Sheet of: 18.07.2017

"*" 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: 2C Casting resin (hardener)
Article No.: 171667
Preparation No.: n.av.
Registration No.: n.ap.
- 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, D - 78148 Gütenbach
 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, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of Poisoning
 Telephone: +49-7723-651-0 (8:30 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
 Acute Tox. 4; H302 / Acute Tox. 4; H312 / Skin Corr. 1; H314 / Skin Sens. 1; H317 / Acute Tox. 4; H332 / Aquatic Chronic 3; H412

2.2 **Label elements**

Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Danger
 Component(s): contains Benzyl Alcohol, 3-Aminomethyl-3, 5, 5-trimethylcyclohexylamin

Hazard pictogram(s):



H - Phrases:

H302: Harmful if swallowed.
 H312: Harmful in contact with skin.
 H314: Causes severe skin burns and eye damage.
 H317: May cause an allergic skin reaction.
 H332: Harmful if inhaled.
 H412: Harmful to aquatic life with long lasting effects.

P - Phrases:

P102: Keep out of reach of children.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor/... if you feel unwell.
 P501: Dispose of contents/container to household waste

Additional Markings:

Attach tactile warning of danger and child resistant cap.

The above mentioned labelling is valid for distribution to private consumer.

2.3 **Other hazards**

This mixture contains no substances which are assessed to be PBT or vPvB.

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SECTION 3: Composition/information on ingredients**3.1 Substances**

n.ap.

3.2 Mixtures**Chemical Characterisation:**

Mixture

Dangerous Ingredients:

Material	CAS - No.	Index - No.	EC - No.	REACH - No.	m% - range
Benzylalkohol	100-51-6	603-057-00-5	202-859-9	01-2119492630-38-xxxx	40 - 70%
Acute Tox. 4 *; H332 / Acute Tox. 4 *; H302					
3-Aminomethyl-3, 5, 5-trimethylcyclohexylamin	2855-13-2	612-067-00-9	220-666-8	n.av.	30 - 60%
Acute Tox. 4 *; H312 / Acute Tox. 4 *; H302 / Skin Corr. 1; H314 / Skin Sens. 1; H317 / Aquatic Chronic 3; H412					

Text of H - phrases: see section 16

m% - range: x - y \triangleq x \geq - < y**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 |
|---------------|--------------|
| Benzylalkohol | III/45; V/34 |
- 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-orange	Odour: amine-like
			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):	n.ap., Melting point / Melting range (°C): n.av.	
9.1.4	Flash point (°C):	> 93, closed cup	
9.1.5	Flammability (EEC A10/A13):	n.ap.	
9.1.6	Ignition temperature (°C):	n.av.	
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:	n.av.	
	Vapour density (Air = 1):	> 1	
9.1.12	Density (g/ml):	1,03	
9.1.13	Solubility (in Water):	miscible	Soluble in:
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	425 – 475 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:

ATE_{mix}: 11,00 mg/L

Ingestion:

ATE_{mix}: 500,00 mg/kg

Skin Contact:

ATE_{mix}: 1833,3 mg/kg

Skin corrosion / irritation:

Causes severe skin burns and eye damage.

Serious eye damage / irritation:

Causes serious eye damage.

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.

Classification of the preparation has been done by calculation in accordance with EEC directives.

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

This mixture contains no substances which are assessed to be 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.

13.1.2 Contaminated Packaging

Recommendation: Wash with suitable cleaner. Otherwise as described under Residues. Packaging that cannot be cleaned should be disposed of as for product




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 2735	2735	2735
14.2	UN proper shipping name UN 2735 Amines, liquid, corrosive, n.o.s. (3-Aminomethyl-3,5,5-trimethylcyclohexylamine)	Amines, liquid, corrosive, n.o.s. (3-Aminomethyl-3,5,5-trimethylcyclohexylamine)	Amines, liquid, corrosive, n.o.s. (3-Aminomethyl-3,5,5-trimethylcyclohexylamine)
14.3	Transport hazard class(es) 8 	8 	8 
14.4	Packing group II	II	II
14.5	Environmental hazards	No.	
14.6	Special precautions for user Transport category: 8 Classification Code: C7 Hazard - No.: 80 LQ: 1 L	F-A, S-B	Packing Instructions (Passenger) 851 Packing Instructions (Cargo) 855
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 : n.ap.

SECTION 16: Other information**Text of H phases mentioned in Section 3**

H302: Harmful if swallowed.

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H332: Harmful if inhaled.

H412: Harmful 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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