

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) and  
Regulation (EU) No. 830/2015



Commercial name: Casting resin

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

### 1.1 Product identifier

Commercial name: Casting resin

Item number: 2010007

Type: T60 Hars

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

#### Recommended use

filling compound for electronical use

#### Uses advised against

No data available.

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

#### Manufacturer/supplier

OBO Bettermann Holding GmbH & Co. KG

P.O. Box 1120

58694 Menden

GERMANY

#### Division providing information

Customer Service

Tel.: +49 23 73 89 - 17 00

Fax: +49 23 73 89 - 12 38

export@obo.de

### 1.4 Emergency telephone number

REACH Registration of Chemicals GmbH

Tel.: +49 (0)700 24112112 (OBO)

Tel.: +1 872 5888271 (OBO)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

Not relevant.

### 2.3 Other hazards

No data available.

### 3. Composition/information on ingredients

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#### 3.1 Substances

Not applicable. The product is not a substance.

#### 3.2 Mixtures

##### Chemical characterization

Mixture (preparation)

##### Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

##### Other information

The product does not contain hazardous substances according to EC-Directive 67/548/EWG.

### 4. First aid measures

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#### 4.1 Description of first aid measures

##### General information

In all cases of doubt, or when sickness symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Remove soiled or soaked clothing immediately.

##### After inhalation

Remove to fresh air, keep patient warm and at rest. Irregular breathing/no breathing: artificial respiration. If unconscious place in recovery position and seek medical advice.

##### After skin contact

Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

##### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

##### After ingestion

Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person. Keep at rest.

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

No data available.

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

No data available.

### 5. Firefighting measures

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#### 5.1 Extinguishing media

##### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray

##### Unsuitable extinguishing media

High powder water jet

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

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

#### 5.3 Advice for firefighters

Appropriate breathing apparatus may be required. Wear protective clothing. Cool endangered containers with water in case of fire. DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES.

## 6. Accidental release measures

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

#### For non-emergency personnel

Exclude sources of ignition and ventilate the area. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not allow to enter drains. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

### 6.4 Reference to other sections

No data available.

## 7. Handling and storage

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### 7.1 Precautions for safe handling

#### Advice on safe handling

Comply with the health and safety at work laws.

#### General protective and hygiene measures

Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Do not inhale vapours.

#### Advice on protection against fire and explosion

No special measures necessary.

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

#### Technical measures and storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

#### Recommended storage temperature

Value 0 - 40 °C

#### Requirements for storage rooms and vessels

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access! Containers which are opened must be carefully closed and kept upright to prevent leakage.

#### Advice on storage assembly

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

### 7.3 Specific end use(s)

No data available.

## 8. Exposure controls/personal protection

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### 8.1 Control parameters

No parameters available for monitoring.

## 8.2 Exposure controls

### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations or particulates and solvent vapour below the OEL (= Occupational Exposure Limit), suitable respiratory protection must be worn.

### Personal protective equipment

#### Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators: Use half-mask model with cartridge or air-fed.

#### Eye / face protection

Use safety goggles.

#### Hand protection

Use protective gloves (DIN EN 374). Please read the protective glove manufacturer's information relating to permeation rates and breakthrough times and the particular conditions at the workplace.

#### Other

Personal should wear antistatic clothing made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

#### Environmental exposure controls

No data available.

## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

#### General Information

##### Appearance

Form: liquid

Colour: black

Odour: characteristic

Odour threshold: No data available.

pH value: No data available.

##### Change in condition

Boiling point / boiling range: no data available

Melting point / melting range: no data available

Decomposition point / decomposition range: no data available

Flash point: >150 °C (Method: ISO 2592)

Auto-ignition temperature: no data available

Oxidising properties: no data available

Explosive properties: no data available

Flammability (solid, gas): no data available

Lower flammability or explosive limits: no data available

Upper flammability explosive limits: no data available

Vapour pressure no data available

Vapour density: no data available

Evaporation rate: no data available

Relative density: no data available

Density: 1.02 g/cm<sup>3</sup> (reference temperature: 23 °C, method: ASTM D 792)

Solubility in water: Partly soluble

Solubility(ies): no data available

Partition coefficient: n-octanol/water: Not determined. no data available

Viscosity: 850 mPa\*s (reference temperature: 23 °C, method: ISO 2555)

Solvent content: < 0.5 %

## 9.2 Other information

No data available.

## 10. Stability and reactivity

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### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

No data available.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

### 10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smike, oxides of nitrogen.

## 11. Toxicological information

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### 11.1 Information on toxicological effects

#### Acute oral toxicity

No data available

#### Acute dermal toxicity

No data available

#### Acute inhalational toxicity

No data available

#### Skin corrosion/irritation

No data available

#### Serious eye damage/irritation

No data available

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Reproductive toxicity

No data available

#### Carcinogenicity

No data available

#### STOT - single exposure

No data available

#### STOT - repeated exposure

No data available

#### Aspiration hazard

No data available

#### Other information

The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC).

## 12. Ecological information

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### 12.1 Toxicity

**Toxicity to fish (acute):**

No data available.

**Toxicity to fish (chronic):**

No data available.

**Toxicity to Daphnia (acute):**

No data available.

**Toxicity to Daphnia(chronic):**

No data available.

**Toxicity to algae (acute):**

No data available.

**Toxicity to algae (chronic):**

No data available.

**Bacteria tixicity**

No data available.

### 12.2 Persistence and degradability

No dat available.

### 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

No data available.

### 12.7 Other information

There are no data available on the preparation itself. For components which are dangerous for the environment see section 3.

The product should not be allowed to enter drains or water courses.

## 13. Disposal considerations

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### 13.1 Waste treatment methods

**Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

**Packaging**

Contaminated packing 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 in agreement with the regional waste disposal company.

## 14. Transport information

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### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

**14.4 Other information**

No data available.

**14.5 Environmental hazards**

Information on environmental hazards, if relevant, please see 14.1 - 14.3

**14.6 Special precautions for user**

No data available.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

**15. Regulatory information**

**15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture**

**EU regulations**

**Regulation (EG) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV (List of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**

According to the available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in article 57 and article 59 of REACH (EC) 1907/2006.

**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XVII on the REACH regulation (EC) 1907/2006.

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is not subject to Part 1 or 2 of Annex I.

**Other regulations**

Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

**15.2 Chemical safety assessment**

No data available.

**16. Other information**

**Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and exotoxic data, are indicated directly in the corresponding chapter.

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.