



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	Casting Resin MS 1000, Resin (GB) Code-Nr. 10520-2
Manufacturer/distributor	WEICON GmbH & Co. KG Königsberger Straße 255, DE-48157 Münster Postbox 84 60, DE-48045 Münster Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244 E-Mail : info@weicon.de Internet : www.weicon.de
Advice	Abteilung Angebote, Verkauf, Export Phone ++49(0)251 / 9322 - 0
Emergency advice	Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning) Phone ++49(0)228-19 240
Recommended intended purpose(s)	2-Component Epoxy Resin - Resin Component

2. HAZARDS IDENTIFICATION

Classification	
Xi; R36/38	
R43	
N; R51/53	
R-phrases	
36/38	Irritating to eyes and skin.
43	May cause sensitisation by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Modified bisphenol-A-epoxy resin

Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
25068-38-6	500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <= 700)	70 - 82	Xi R36/38; R43; N R51-53

4. FIRST AID MEASURES

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.



In case of eye contact

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Give activated charcoal.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Give plenty of water to drink in small sips.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam
Dry fire-extinguishing substance
Carbon dioxide
Water spray jet

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Dense, black smoke.
Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.
Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Burns down under strong soot production.
Collect contaminated firefighting water separately, must not be discharged into the drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Remove persons to safety.
Use personal protective clothing.
Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.

Methods for cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).
Send in suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.
Open and handle container with care!

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Take precautionary measures against static discharges.

Requirements for storage rooms and vessels

Keep in closed original container.

**Advice on storage compatibility**

Do not store together with animal feedstuffs.

Do not store together with food.

Further information on storage conditions

Storage temperature between 2°C to 40°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: butyl rubber, 0,7mm; 480min

Eye protection

tightly fitting goggles

protective shield

Skin protection

light protective clothing

Safety shoes.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink and smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES**Form**

liquid

Colour

light yellow

Odour

hardly noticeable

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 7	20			1:1 in water
boiling point	> 200 °C				
Flash point	> 200 °C			DIN 51758	
Vapour pressure	< 0,01 Pa	20 °C			
Density	1,1 g/cm ³	25 °C		DIN 51757	
Solubility in water					insoluble
Viscosity 1 dynamic	1250 - 1600 mPa*s	25 °C			



10. STABILITY AND REACTIVITY

Materials to avoid

Reactions with strong oxidising agents.

Hazardous decomposition products

carbon monoxide and carbon dioxide
risk of formation of toxic pyrolysis products

Thermal decomposition

Remark thermal decomposition >200°C

11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD 50 acute oral	> 5000 mg/kg	rat		
Irritability skin	irritant	rabbit		
Irritability eye	irritant	rabbit eye		
Skin sensitization	sensitizing	Guinea pig		

Experiences made from practice

Sensitization through skin contact possible.

12. ECOLOGICAL INFORMATION

General regulation

Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste code No.

07 02 08*

Name of waste

other still bottoms and reaction residues

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

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

14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY HARZ), 9, III, (E),
Classification code: M6
transport in "limited quantities" according to 3.4 ADR LQ2 is possible



Marine transport IMDG

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN), 9, III, Marine Pollutant: P

Air transport ICAO/IATA-DGR

UN 3082 Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A EPOXY RESIN), 9, III

Transport/further information

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank GmbH)

15. REGULATORY INFORMATION

Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Classification

Xi Irritant
N Dangerous for the environment

R-phrases

36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

2 Keep out of the reach of children.
28 After contact with skin, wash immediately with water and soap.
37/39 Wear suitable gloves and eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Hazardous ingredients for labeling

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

Special labelling for certain preparations

Contains epoxy-containing compounds. Observe manufacturer's instructions.

VOC standard

VOC content 0 %

16. OTHER INFORMATION

Recommend uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R-phrases specified in chapter 3 (not the classification of the formulation!)

R 36/38 Irritating to eyes and skin.
R 43 May cause sensitisation by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.