

1. Identification of the substance/preparation

Name of product	PD 955 M
Manufacturer/distributor	W. C. Heraeus GmbH & Co. KG Heraeusstr. 12 - 14, D-63450 Hanau Postbox 15 13, D-63405 Hanau Phone : + 49 6181 35 4233, Fax : + 49 6181 35 7860 E-Mail : joachim.schmidt@heraeus.com Internet : http://www.4cmd.com
Advice	Circuit Materials Division Phone : + 49 6181 35 5303 Fax : + 49 6181 35 5977
Emergency advice	Werkssicherheit : + 49 6181 35 213 Phone (USA) : + 1 800 255 3924

2. Composition/information on ingredients

Chemical characterization

Colored paste, perceptible odor, immiscible with water, heavier than water.

Hazardous ingredients

CAS-No.	Name	[% weight]	Classification
	proprietary aliphatic glycid ester	5-15	Xi R36/38-43
	proprietary epoxy hardener	25-45	Xi R36/38-43
025068-38-6	bisphenol A-epichlorhydrin); epoxy resin (number average molecular	40-60	Xi R36/38-43

3. Special hazards information for man and environment

R-phrases

36/38	Irritating to eyes and skin.
43	May cause sensitisation by skin contact.

4. First aid measures

General information

Seek medical treatment when anyone has symptoms apparently due to inhalation, swallowing or contact with skin or eyes.

In case of inhalation

In case of inhalation remove the casualty into fresh air and seek medical advice. Apply artificial respiration only if patient is not breathing or under medical supervision.

In case of skin contact

After contact with skin, wash immediately with plenty of water. Take off immediately all contaminated clothing.

In case of eye contact

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

5. Fire-fighting measures

Suitable extinguishing material

Water spray, powder, C O2, foam.

Extinguishing material that may not be used for safety reasons

no

Special exposure hazards arising from the substance, combustible products or resulting gases

Carbon monoxide, carbon dioxide, nitrogen oxides (NOx)

Special protective equipment for firefighters

Use breathing apparatus with independent air supply.

6. Accidental release measures

Personal precautions

Plastic or synthetic rubber gloves. Goggles giving complete protection to eyes.

Methods for cleaning up/taking up

Absorb in inert material such as sand or oil dry and collect in closed sheet metal barrels.

Additional Information

Informations for safe handling look up chapter 7.

Informations for personal protective equipment look up chapter 8.

Informations for disposal look up chapter 13.

7. Handling and storage

Advice on safe handling

Good industrial safety practice should be followed which includes preventing eye contact, minimizing skin contact, and minimizing inhalation of mist or vapor.

Advice on protection against fire and explosion

no

Further information on storage conditions

Keep container dry and tightly closed.

8. Exposure controls / personal protection

Additional advice on system design

look up chapter 7.1

Hand protection

Impermeable gloves

Eye protection

Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact.

Hygiene measures

At work do not eat, drink and smoke. Remove soiled or soaked clothing immediately. Keep divorced from food and feed. Wash hands and skin before breaks and after work.

9. Physical and chemical properties

Form
pasty

Colour
red

Odour
mild

Data relevant for safety

	Value	Temperature	at	Method	Remark
Density	1,2 g/cm ³	20 °C			

	Value	Temperature	at	Method	Remark
Solubility/other	95 %		ethanol		

10. Stability and reactivity

Materials to avoid

Reactions with strong acids, oxidising agents and alkalies.

Hazardous decomposition products

carbon monoxide and carbon dioxide

Nitrous oxides (NOx)

11. Toxicological information

Experiences made from practice

Possible sensitization in case of persons suffering from hypersensitivity.

Irritates eyes and skin.

Additional information

The product was classified on the basis of the calculation procedure of the preparation directive (88/379/EEC).

12. Ecological information

General regulation

Ecological dates are not available.

13. Disposal considerations

Waste code No.

20 01 28

Name of waste

paint, inks, adhesives and resins other than those mentioned in 20 01 27

Recommendations for the product

Collect waste separated in suitable, labeled and lockable containers. Remove in accordance with local official regulations. For recycling consult waste disposal centres.

Recommendations for packaging

Untampered packaging may be treated as household waste. Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information

Transport/further informations

No hazardous material as defined by the prescriptions.

! 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

R-phrases

36/38

Irritating to eyes and skin.

43

May cause sensitisation by skin contact.

S-phrases

- | | |
|----|-----------------------------------------------------------------------------------------------|
| 24 | Avoid contact with skin. |
| 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| 37 | Wear suitable gloves. |

! Hazardous ingredients for labeling

bisphenol A-epichlorhydrin); epoxy resin (number average molecular

Special labelling for certain preparations

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

16. Other information

Further information

Prepared by W.C. Heraeus GmbH & Co. KG from the best knowledge available; no responsibility is accepted that the information is sufficient or correct in all cases.