

EC safety data sheet (91/155 EEC)

Trade name: MARABU-FIXING MEDIUM 22

Status: 01.02.2005

Product no.: 1737xx000

Version : 2 / GB

Date of printing : 09.02.2005

1.) Identification of the substance/preparation and company

Product details

Trade name

MARABU-FIXING MEDIUM 22

Identification of the manufacturer / supplier

Address

Marabuwerke GmbH & Co KG
Asperger Straße 4
D-71732 Tamm

Telephone no. (++49)-7141/691-0

Fax no. (++49)-7141/691-117

Information provided by / telephone

Product safety +49 7141/691-116 or 232

Emergency telephone number

Product safety +49 7141/691-116 or 232

Use

Fixing medium for batik and dyeing

2.) Composition / information on ingredients

Chemical characterization

UV-curing printing varnish based on low-viscosity reactive acrylates

Hazardous ingredients

TCA

CAS no. 650-51-1

EINECS no. 211-479-2

Concentration >= 15 < 20 %-b.w.

Classification Xi;R37

N;R50-53

3.) Hazards possibilities

Hazard symbols

N Dangerous for the
 environment

R phrases

51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4.) First aid measures

After inhalation

Let in fresh air.

After skin contact

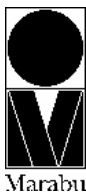
Wash away with soap and water and rinse.

After eye contact

Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

Drink plenty of water. Call a physician.



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5.) Fire-fighting measures

Suitable extinguishing media

Adapt extinguishing measures to suit the environment. The product itself is non-flammable. If possible, use a dry extinguisher.

6.) Accidental release measures

Personal precautions

Avoid dust development.

Methods for cleaning up/taking up

Sweeping or vacuum cleaning.

7.) Handling and storage

Handling

Advice on safe handling

Avoid contact with skin and eyes. When using do not eat, drink or smoke.

Advice on protection against fire and explosion

No particular measures required.

Storage

Requirements for storage rooms and vessels

Store in cool and dry conditions.

8.) Exposure controls / personal protection

Ingredients with occupational exposure limits to be monitored

N O N E

Personal protective equipment

Respiratory protection

Avoid inhaling the powder.

Hand protection

Protective gloves

9.) Physical and chemical properties

Appearance

Form	powder
Colour	light yellowish
Odour	odourless

Safety data

Changes in physical state

Value	not determined
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Flash point

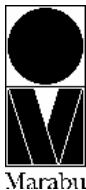
Value	not applicable
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Ignition temperature

Value	no data available
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Explosion limits

Remarks	no data available
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Density

Value not determined

Solubility in water

Remarks soluble

pH value

Value 8
Reference temperature 20 °C
Concentration/H₂O 10 g/l

Solids content

Value 100 %

10.) Stability and reactivity

Conditions to avoid

High temperatures.

11.) Toxicological information

Experience in practice

Provided all the recommended protective and safety precautions are taken, experience shows that no risk to health can be expected.

Other information

There are no data available on the preparation itself.

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/EEC).

12.) Ecological information

General information / ecology

No disturbance of the biological stage in water purification can be expected by introducing in the drainage system with the degree of dilution resulting from application.

13.) Disposal considerations

Product

Powder form: household refuse.
In watery solution: effluent/sewerage.

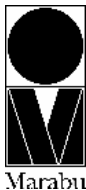
Untcontaminated packaging

Uncleaned packaging must be disposed of in the same manner as the medium.
Completely emptied containers can be used in the recycling chain with glass or tinfoil.

14.) Transport information

Land transport ADR/RID

Class 9
Packing group III
Hazard id. no. 90
Label 9, -, -
UN number 3082
Technical name Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance TCA



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Marine transport IMDG/GGVSee

Class	9
Packing group	III
UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	TCA
EmS	F-A,S-F
Label	9, -, -

Air transport ICAO/IATA

Class	9
Packing group	III
UN number	3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
Danger releasing substance	TCA
Label	9, -, -

15.) Regulatory information

Labelling in accordance with EC directives

The product is classified and labelled in accordance with EC directives/GefStoff V

Hazard symbols

N Dangerous for the
 environment

R phrases

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the
 aquatic environment.

16.) Other information

Other information

According to their chemical structure, the applied raw materials do not contain any antimony, arsenic, soluble barium, lead, cadmium, chromium, mercury and selenium.
Product conforms therefore to DIN EN 71, part 3.

TCA

37 Irritating to respiratory system.
50/53 Very toxic to aquatic organisms, may cause long-term adverse effects
 in the aquatic environment.

Department issuing safety data sheet

Laboratory/product safety.

Contact person

Dipl.-Chem. G. Heller or Dipl.-Ing. U. Voetter.

The instructions are based on today's information and knowledge. The safety data sheet describes products in relation to safety requirements. These instructions do not assure application technological properties of the product.