

Safety Data Sheet

according to 91/155/EEC and ISO 11014-1

Date of printing: 17.04.2006

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SDS No.: 001-00010001.0000

1. Identification of the substance/preparation and company

Product

Product name

Epo-Fuga 54 Comp. B

Manufacturer/supplier information

Manufacturer/supplier:

GILAR LTD

Street/postbox:

Hamatechet St. Industrial Area

Town/City and Post Code:

Kadima

Country:

Israel

Phone:

+97298994000

Telefax:

+97298994003

General information:

Environment and Safety

Emergency information phone:

+972 (0) 98 99 40 07

2. Composition/information on ingredients

Chemical characterization

Amidoamine Epoxy curing agent

Hazardous ingredients

Designation according to 67/548/EEC

CAS No. Concentration Danger symbols R phrases

EEC No.

- TOFA, reaction products with TEPA

>85%

68953-36-6

- Tetraethylenepetamine <15% C;N,R21/22,R34,R43,R51/53

>85%

112-57-2

3. Hazards identification

Hazards identification

Xi

Irritant

Information on hazards to man and to the environment

43

May cause sensitization by skin contact.

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4. First-aid measures

General instructions

In any case show the physician the Safety Data Sheet

After inhalation

Move patient to fresh air. If breathing has stopped or is labored give assisted respiration (e.g mouth-to-mouth), supplemental oxygen may be indicated. Prevent aspiration of vomit. Turn victim's head to the side. Seek medical advise.

After skin contact

Remove product and immediately flush affected area with water for at least 15 min. Remove contaminated clothing and shoes.

After eye contact

Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 min. Seek medical advise.

After ingestion

If swallowed, call a doctor immediately. Remove stomach content by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

5. Fire-fighting measures

Suitable extinguishing media

compatible with all usual extinguishing media

Exposure hazard arising from the product, its combustion products or resulting gases

In the event of fire the following can be released:
Carbondioxide (CO₂) or Dry sand.

Additional information

Fire residues and contaminated firefighting medium must be disposed of in accordance with the local regulations.
Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.
Use personal protective clothing.
Use breathing apparatus if exposed to vapours/dust/aerosol.

Environmental precautions

Do not allow to enter drains or waterways
In case of entry into waterways, soil or drains,
inform the responsible authorities.

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6. Accidental release measures (continued)

Procedures for cleaning up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).

When picked up, treat material as prescribed under heading "Disposal".

7. Handling and storage

Handling

Instructions for safe handling

See chapter 8 / Personal protective equipment.

Instructions for fire and explosion protection

Not applicable.

Storage

Requirements for storage rooms and containers

Keep container tightly closed and dry in a cool, well-ventilated place

Combined storage instructions

Keep away from food, beverages and animal feedstocks.

Additional information regarding storage

Protect from frost.

Protect from heat and direct sunlight

Protect from atmospheric moisture and water

* 8. Exposure controls/personal protection

Personal protective equipment

General protective and hygiene measures

Take care for sufficient ventilation or exhaust on the workshop place.

Avoid contact with eyes and skin

Use barrier skin cream.

Remove soiled or soaked clothing immediately.

Do not eat, drink or smoke during work time.

Wash hands before breaks and after work.

Respiratory protection

Not applicable.

Hand protection

Butyl rubber/nitrile rubber gloves

Eye protection

Tightly fitting safety glasses

Body protection

Working clothes

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*** 9. Physical and chemical properties**

Appearance

Physical state: Mobile Liquid
Colour: Amber
Odour: Irritating

Data relevant to safety

Method

Flash point	>195.00°C	
Vapour pressure at 20°C	<10.33835	
Density at 20°C	7.91b/Gal	
Solubility in water at 20°C	Slight 0.1-1%	
pH value at 20°C	Not Applicable	
Viscosity at 20°C	Relative density 0.95	

10. Stability and reactivity

Materials to avoid/dangerous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

Thermal decomposition and hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

Sensitization

Sensitization/allergic reaction possible.
Allergic reaction may be observed in sensitive persons, even on very low concentrations.

Experience on humans

When skin contact:
Irritation.
When eyes contact:
Irritation.
When inhalation:
Irritation.

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11. Toxicological information (continued)

When swallowed:

Small amount may cause considerable health disorders.

12. Ecological information

Additional information

Product is water polluting.

Do not allow to enter waste water drain, waterways or soil.

13. Disposal considerations

Product

Recommendations

Must be disposed of in a special waste disposal unit in accordance with the corresponding regulations.

See chapter 15, national regulations.

Packaging

Recommendations

Completely emptied packagings can be given for recycling.

Packaging that cannot be cleaned should be disposed of as product waste

*** 14. Transport information**

ADR/RID

Further Information

NO DANGEROUS GOODS

IMO/IMDG

Further Information

NO DANGEROUS GOODS

15. Regulatory information

Labelling according to EEC Directive

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Relevant hazardous ingredients for labelling

Contains: reaction product: bisphenol A-(epichlorhydrin)
epoxy resin (number average molecular weight \leq 700)
oxirane, mono[(C12-14-alkyloxy)methyl]derivs.

Danger symbols

Xi Irritant
N Dangerous to the environment

R phrases

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

S phrases

24 Avoid contact with skin.
37 Wear suitable gloves.

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16. Other information

asterisk (*) on left margin marks modification of previous version

R-phrases of the ingredients listed in chapter 2

36/38 Irritating to eyes and skin.

38 Irritating to skin.

43 May cause sensitization by skin contact.

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

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to any use and processing.