

MATERIAL SAFETY DATA SHEET

According to applicable EC directive

Product Name : BAYCOFLOOR-EP3355

Print Date : 20.03.2016

Version : 02

1- IDENTIFICATION OF SUBSTANCE AND COMPANY

Product Name : BAYCOFLOOR-EP3355, Component A

Product Use : Epoxy based Self-levelling coating

Manufacturer : AB-SCHOMBURG YAPI KİMYASALLARI A.Ş.

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2- COMPOSITION /INFORMATION ON INGREDIENTS

Description: Epoxy based

Chemical Name	Cas Number	Weight %	Risk phrases	Risk phrases
Epoxy Resin	25068-38-6	25-50	Xi,N	R 36/38-43-51/53
diglycidylether of 1.6 -hexanediol	16096-31-4	2.5-10	Xi,N	R 36/38-43-52/53
Bisfenol F- epoxidharze	9003-36-5	2.5-10	Xi,N	R 36/38-43-51/53
Benzyl alcohol	100-51-6	<2,5	Xi,N	R 20/22

3- HAZARD IDENTIFICATION

Xi Irritant

N Dangerous for the environment

Information pertaining to particular dangers for man and environment

The product may not leak out in sewerage system, stretch of water or soil.

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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.

Contains epoxy constituents. See information supplied by the manufacturer.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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4- FIRST AID CRITERIA

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Personal protection for the First Aider.

It is possible to choke in case of vomiting in unconsciousness.

Bring unconscious persons into a stable position on side.

Keep the respiratory tract free (remove dentures and vomiting).

Check the pulse. In case of heart failure you have to make a cardiac massage. In case of stoppage of breathing: artificial respiration.

Take up a doctor immediately!

After inhalation : Supply fresh air or oxygen; call for doctor.

After skin contact : Instantly wash with water and soap and rinse thoroughly. Change immediately contaminated clothes.

After eye contact :

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

After swallowing :

Do not induce vomiting; instantly call for medical help.

Show the pack or the label to the doctor.

5- FIRE FIGHTING MEASURES

Suitable extinguishing agents:

CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

Special hazards caused by the material, its products of combustion or flue gases:

Formation of poisonous gases during heating or in fires.

In case of strong heat burst- and explosion hazard, the pressure in the container will increase. In case of fire chill the container with water-spray.

Protective equipment: Wear self-contained breathing apparatus.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Follow the emergency-plan.

Burst- and explosion-danger by increasing pressure.

In case of fire chill the container with water spray.

6- ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Bring persons out of danger.

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

Do not allow product to reach sewage system or water bodies.

Measures for cleaning/collecting: Ensure adequate ventilation.

Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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7- HANDLING AND STORAGE

Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Keep away from children.

Information about protection against explosions and fires: No special measures required.

Storage:

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility:

Please follow the rules of the VCI-Storage-Concept for chemicals.

Further information about storage conditions: Keep container tightly sealed.

8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems:

It must be possible to wash the skin in the working area.

Eye-wash bottle must be available.

Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the compilation were used as basis.

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals.

Instantly remove any soiled and impregnated garments.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink or smoke while working.

Use skin protection cream for preventive skin protection.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

When the product is sprayed use respiration filter P2.

Protection of hands: Gloves of butyl rubber.

Material of gloves:

Butyl rubber II R: Thickness ε 0,5mm; Break through time ε 480 min

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses recommended during refilling.

Body protection: Contaminated protection clothes must be cleaned carefully before reuse.

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9- PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form : Fluid
Colour : according to product specification
Smell : characteristic
Change in condition
Melting point/Melting range : Not determined
Boiling point/Boiling range : Not determined
Flash point : > 200 °C
Self-inflammability : Product is not selfigniting.
Danger of explosion : Product is not explosive.
Density : 1.59 g/cm³
Solubility in / Miscibility with Water: not miscible
Viscosity : 8000 mpas

10- STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Materials to be avoided:

Dangerous reactions Reacts with strong acids and oxidizing agents

Dangerous products of composition: No dangerous decomposition products known

11- TOXICOLOGICAL INFORMATION

Acute toxicity:

LD/LC50 values that are relevant for classification:

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700)

Oral LD50 >5000 mg/kg (rats)

Dermal LD/LC50 >2000 mg/kg (Kaninchen)

LD50 >2000 mg/kg (rats)

Inhalative LC 50 >100 mg/l (-)

9003-36-5 Bisphenol F-Epoxidharze

Oral LD50 >5000 mg/kg (rats)

16096-31-4 1,6-Hexandioldiglycidylether

Oral LD50 8.500 mg/kg (rats)

Dermal LD50 < 4.900 mg/kg mg/kg (Kaninchen)

100-51-6 Benzyl alcohol

Oral LD50 1230 mg/kg (rats)

Dermal LD50 2000 mg/kg (rbt)

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Primary irritant effect:

on the skin: Irritant for skin and mucous membranes.

on the eye: Irritant effect.

Sensitization: Sensitization possible by skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

Sensitizing

Sensitisation: May cause sensitisation by skin contact.

12- ECOLOGICAL INFORMATION

General notes: No data

13- DISPOSAL INFORMATION

Disposal Information : Disposal of in accordance with State,Local and Federal Environmental regulations.Responsibility for proper waste disposal is with the owner of the waste.

14- TRANSPORTATION INFORMATION

This product is not danderous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by rail (RID) , of the International Maritime Dangerous Goods Code (IMDG) , and of International Air Transport Association (IATA) regulations.

15- REGULATORY INFORMATION

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / GefStoffV.

Code letter and hazard designation of product:

Xi Irritant

N Dangerous for environment

Risk phrases:

36/38 Irritating to skin and eyes.

43 May cause sensitisation by skin contact.

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

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16- OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases:

36/38 Irritating to skin and eyes.

43 May cause sensitisation by skin contact.

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

AB-SCHOMBURG