

according to Regulation (EC) No 1907/2006

EPOXYHARS CLEAR FAST FLEX A COMP

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

model building material

Uses advised against

no data available

1.3. Details of the supplier of the safety data sheet

Company name: Vosschemie Benelux bvba
Mechelsesteenweg 303
B-2500 Lier
Tel: +32 (0)3 489 28 28
Fax: +32 (0)3 488 19 27
mailto: info@vosschemie-benelux.com

1.4. Emergency 0032 (0)70 245 245
telephone number:

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xi - Irritant, N - Dangerous for the environment

R phrases:

Irritating to eyes and skin.

May cause sensitisation by skin contact.

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

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Toxic to aquatic life with long lasting effects.

2.2. Label elements**Hazardous components which must be listed on the label**

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

Signal word: Warning

Pictograms: GHS07-GHS09



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Hazard statements

- H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P501 Dispose of contents/container to hazardous or special waste collection point..
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labelling of certain mixtures

- EUH205 Contains epoxy constituents. May produce an allergic reaction.

Additional advice on labelling

According to EC-regulations the product is to be labelled as follows:

2.3. Other hazards

Not fulfilling PBT.

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

Mixture of the following substances with non-hazardous admixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No	01-2119456619-26-XXXX	
500-033-5	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	70 - 90 %
25068-38-6	Xi - Irritant, N - Dangerous for the environment R36/38-43-51-53	
603-074-00-8	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H319 H315 H317 H411	
254-052-6	Diisopropyl-naphthalene isomers	10 - 25 %
38640-62-9	Xn - Harmful, N - Dangerous for the environment R51-53-65	
	Asp. Tox. 1, Aquatic Chronic 1 (M-Factor = 1); H304 H410	
01-2119565150-48		

Full text of R-, H- and EUH-phrases: see section 16.

Further Information

None

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

Remove contaminated soaked clothing immediately.
 In the event of persistent symptoms receive medical treatment.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.
 In the event of symptoms refer for medical treatment.

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After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Immediately give plenty of water (if possible charcoal slurry).
Never give anything by mouth to an unconscious person.
Summon a doctor immediately.
Induce vomiting only upon the advice of a physician.

4.2. Most important symptoms and effects, both acute and delayed

no data available

4.3. Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Foam, carbon dioxide (CO₂), dry chemical, water-spray.**Unsuitable extinguishing media**

Full water jet

5.2. Special hazards arising from the substance or mixture

Fire may produce:
Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

Protective suit
Use breathing apparatus with independent air supply.

Additional information

None

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapour formation use respirator.
Ensure adequate ventilation.
Use personal protective clothing.
Keep away from sources of ignition - No smoking.

6.2. Environmental precautions

Clean contaminated surface thoroughly.
Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.

6.4. Reference to other sections

None

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Keep container tightly closed.

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Use only in thoroughly ventilated areas.
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

No special protective measures against fire required.

Further information on handling

no data available

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.
Protect against direct sun radiation.

Advice on storage compatibility

Incompatible with: Bases, Amines, Alcohols

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.
Keep at temperatures between 5°C and 40°C.

7.3. Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

Further Information no data available

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.
Wash hands before breaks and immediately after handling the product.
When using, do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Remove and wash contaminated clothes before re-use.

Eye/face protection

Tightly fitting goggles

Hand protection

Protective gloves resistant to chemicals made off natural-rubber latex, Minimum coat thickness 0.6 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Lapren 706> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Light protective clothing, Safety Shoes

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation.

Environmental exposure controls

no data available

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	clear
Odour:	Soft

Test method**Changes in the physical state**

Initial boiling point and boiling range:	> 200 °C
Flash point:	> 100 °C
Ignition temperature:	n.d.
Vapour pressure:	< 0,1 hPa
Density (at 20 °C):	1,1 g/cm ³ DIN 51757
Water solubility: (at 20 °C)	Insoluble
Viscosity / dynamic: (at 25 °C)	500 - 600 mPa·s

9.2. Other information

Combustion temperature: > 200 °C

SECTION 10: Stability and reactivity**10.1. Reactivity**

Exothermic reaction with: Bases, Amines, Alcohols

10.2. Chemical stability

Stable at normal conditions

10.3. Possibility of hazardous reactions

Stable at normal conditions

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Exothermic reaction with: Bases, Amines, Alcohols

10.6. Hazardous decomposition products

no data available

Further information

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

Stable at normal conditions

Acute toxicity

no data available

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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
38640-62-9	Diisopropyl-naphthalene isomers				
	oral	LD50	> 4000 mg/kg	rat	OECD 401
	dermal	LD50	> 4000 mg/kg	rat	OECD 402
	inhalative (4 h) aerosol	LC50	> 5,6 mg/l	rat	OECD 403

Irritation and corrosivity

Irritating to eyes and skin.

Sensitising effects

Sensitization through skin contact possible.

STOT-single exposure

no data available

Severe effects after repeated or prolonged exposure

no data available

Carcinogenic/mutagenic/toxic effects for reproduction

no data available

Aspiration hazard

no data available

Specific effects in experiment on an animal

no data available

Additional information on tests

no data available

Practical experience
Observations relevant to classification

no data available

Other observations

no data available

SECTION 12: Ecological information
12.1. Toxicity

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

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
38640-62-9	Diisopropyl-naphthalene isomers					
	Acute fish toxicity	LC50	0,5 mg/l	96 h		OECD 203
	Acute algae toxicity	ErC50	0,15 mg/l	72 h		OECD 201
	Acute crustacea toxicity	EC50	0,16 mg/l	48 h	Daphnia	DIN 38412, part 11
	Crustacea toxicity	NOEC	0,013 mg/l	21 d	Daphnia	OECD 202, part 2

12.2. Persistence and degradability

no data available

12.3. Bioaccumulative potential

no data available

BCF

CAS No	Chemical name	BCF	Species	Source
38640-62-9	Diisopropyl-naphthalene isomers	> 500		

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12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

no data available

12.6. Other adverse effects

no data available

Further information

Do not flush into surface water or sanitary sewer system.
Hazard to waters

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Where possible recycling is preferred to disposal.
Can be incinerated, when in compliance with local regulations.
It is not possible to give this product a waste code number according to the European waste catalogue because only the intended use of the user consents the assignment of a specific code number.
The waste code number must be agreed with the disposer / manufacturer / competent authority.

Contaminated packaging

Contaminated packagings are to be treated like the product itself.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information**Land transport (ADR/RID)****14.1.****UN number:** UN 3082**14.2. UN proper shipping name:**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Epoxide derivatives)**14.3. Transport hazard class(es):**

9

14.4. Packing group:

II

Hazard label:

I



Classification code:

M6

Special Provisions:

274 335 601

Limited quantity:

5 L

Transport category:

3

Hazard No:

90

Tunnel restriction code:

E

Other applicable information (land transport)

E1

Marine transport (IMDG)**14.1.****UN number:** UN 3082**14.2. UN proper shipping name:**ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Epoxide derivatives)**14.3. Transport hazard class(es):**

9

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14.4. Packing group:

II

Hazard label:

I

9



Marine pollutant:

Special Provisions:

yes

179, 274, 335, 909

Limited quantity:

5 L

EmS:

F-A, S-F

Other applicable information (marine transport)

E1

Air transport (ICAO)

14.1.

UN number: UN 3082

14.2. **UN proper shipping name:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Epoxide derivatives)

14.3. **Transport hazard class(es):**

9

14.4. **Packing group:**

II

Hazard label:

I



Special Provisions:

A97 A158

Limited quantity Passenger:

30 kg G

IATA-packing instructions - Passenger:

964

IATA-max. quantity - Passenger:

450 L

IATA-packing instructions - Cargo:

964

IATA-max. quantity - Cargo:

450 L

Other applicable information (air transport)

E1

Passenger-LQ:: Y964

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



14.6. Special precautions for user

no data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

no data available

Other applicable information

no data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

Water contaminating class (D):

2 - water contaminating

Additional information

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"ZH 1/301 ""Data Sheet: Polyester and Epoxide resins (M 023)""

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s) 3, 11, 12, 14

Relevant R-phrases (Number and full text)

36/38	Irritating to eyes and skin.
43	May cause sensitisation by skin contact.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.

Relevant H- and EUH-phrases (Number and full text)

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH205	Contains epoxy constituents. May produce an allergic reaction.

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)