

MATERIAL SAFETY DATA SHEET

In accordance with regulation (EC) 1907/2006 (REACH)

Laminating epoxy resin LG 120

Date of Issue: 08-01-2004

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

Trade name: **Laminating epoxy resin LG 120**

Supplier: **Compositesplaza B.V.** Phone No: +31 492 769099
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SECTION 2: Hazards identification

2.1 Label elements according to Regulation (EC) No 1272/2008 – CLP

Hazard pictograms:

Signal word: **DANGER**



GHS07



GHS09

Hazard statements, H

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, P

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352
P305 + P351 + P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P333 + P313 If skin irritation or a rash occurs: Get medical advice/attention.
P337 + P313 Get medical advice/attention.
P501 Dispose of contents/container according to local directives.

2.2 Label elements according to Directive 67/548/EHS, 1999/45/EC

Symbols:



Xi – Irritant



N – Dangerous for the environment

Risk phrases (R)

R36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases (S)

S24/25 Avoid any inhalation, contact with skin and eyes. Wear suitable protective clothing and gloves.
S27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

2.3 Classification substance/mixture according to Regulation (EC) No 1272/2008 – CLP

CAS 25068-38-6

Eye irrit. (Category 2)
Skin irrit. (Category 2)
Skin corr. (Category 1B)
Aquatic chronic (Category 3)

CAS 16096-31-4

Skin irrit. (Category 2)
Skin sens. (Category 1)
Eye irrit. (Category 2)
Aquatic chronic (Category 3)

2.4 Classification substance/mixture according to Directive 67/548/EHS, 1999/45/EC

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SECTION 3: Composition/information on ingredients

Chemical characteristic: epoxy resin.

Recommended application: epoxy resin.

Description: mixture of substances listed below with nonhazardous addition.

MIXTURE		according to Reg. No 1272/2008 (CLP)	according to Dir. 67/548/EHS, 1999/45/ES
> 60%	Bisphenol A diglycidylether		
CAS No:	25068-38-6	GHS07, GHS09	N, Xi
EC No:	500-033-5	H315, H317, H319, H311	R36/38, R43, R51/53
Index No:	603-074-00-8	P273, P280, P305+351+338	S28, S37/39, S61
> 10%	Diglycidylether		
CAS No:	16096-31-4	GHS07	Xi
EC No:	240-260-4	H315, H317, H319, H412	R36/38, R43, R52/53
Index No:	-	S280, P305+351+338, P501	S28, S24/25, S37/39

SECTION 4: First aid measures

Description of first aid measures

General notes:

Remove parts of the clothes that have been soiled with the product.

Following inhalation:

Sufficient supply of fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

Following skin contact:

Immediately wash with water and soap and rinse thoroughly. Call for a doctor immediately.

Following eye contact: Rinse opened eyes for several minutes under running water. Call for a doctor immediately.

Following ingestion: Rinse mouth immediately and drink plenty of water. Sufficient supply of fresh air. Do not evoke vomiting. Call for a doctor immediately.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide (CO₂), water spray or aerosol, foam, extinguishing powder, sand or soil. Foam, water spray/large fire/.

Unsuitable extinguishing media: Water jet.

5.2 Special hazards arising from the substance or mixture

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5.3 Advice for firefighters

Special protective equipment

Wear protective breathing apparatus. Wear complete protective clothing.

5.4 Further information

Contaminated water used for fire-fighting has to be properly collected and must not enter sewers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure sufficient ventilation. Wear protective equipment. Keep unprotected people in a safe distance.

6.2 Environmental precautions:

Do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage systems.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, earth, acid binders, universal binders, sawdust). Dispose contaminated material as a waste according to local directives.

6.4 Reference to other section:

Information about the personal protection see section 8.

SECTION 7: Handling and storage

7.1 Handling

Precautions for safe handling:

Keep receptacles tightly sealed. Ensure sufficient ventilation/exhaustion at workplace. Open and handle receptacles with care.

Information about fire and explosion protection:

Do not allow the product to get nearby ignition source – no smoking. Make a precaution against electrostatic charge occurrence.

7.2 Storage

Conditions for safe storage, including any incompatibilities:

Store only in well-sealed, original receptacles at dry and cold place. Store separately from foodstuff.

7.3 Specific end use

No relevant data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does not contain any relevant amount of ingredients that influence workplace and there is no need of monitoring the limit values.

PNEC/DNEL

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8.2 Exposure controls

Personal protective equipment - general protective any hygienics measures:

Immediately remove all soiled and contaminated clothing.

Keep away from foodstuffs, beverages and feed.

Separate storage of the protective clothing.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

Do not inhale gases, vapours and aerosols.

Do not eat and drink during work.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

Hand protection: Rubber gloves, gloves made from plastics.

Eye/face protection: Tightly sealed protective goggles.

Bode protection: Protective clothing.

SECTION 9: Physical and chemical properties

Form:	Liquid
Appearance:	transparent, light yellow
Odour:	Epoxy
pH value:	-

Melting point:	-
Initial boiling point/boiling range:	> 200°C
Flash point:	> 150°C

Flammability:	-
Lower flammability or explosive limits:	-
Upper flammability or explosive limits:	-

Vapour pressure (20°C):	less than 0,1 hPa
Vapour density (25°C):	0,1 – 0,2 g/cm ³

Solubility in/Miscibility with water:	not soluble
Solubility in organic solvent:	-
Partition coefficient n-oktanol/water:	-

Auto-ignition temperature:	> 350°C
Decomposition temperature:	> 200°C
Dynamic viscosity 25°C:	2000 - 3000 mPas
Kinematic viscosity:	-

Explosive properties:	product does not present an explosion hazard
Flamable temperature:	-
Content of solid:	-

SECTION 10: Stability and reactivity

10.1 Reactivity	No decomposition if used according to specifications.
10.2 Chemical stability	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions	Reactions with strong acids and alkali. Reactions with strong oxidants.
10.4 Conditions to avoid	No data.
10.5 Incompatible materials	No data.
10.6 Hazardous decomposition products	Carbon dioxide, carbon monoxide, organic gases and vapours.

SECTION 11: Toxicological information

11.1 Acute toxicity:

Values LD/LC50 decide about classificatio (LD50 = fatal dose, LC50 = fatal concentration):

25068-38-6 Bisphenol A diglycidylether

LD50	Oral:	more than 10.000 mg/kg (rat)
LD50	Dermal:	More than 2.000 mg/kg (rat)

11.2 Primary irritant effect

On the skin: strong irritation effect to skin and mucous membranes.

On the eye: strong irritation effect to eyes.

Senzitization: senzitization possible in case of skin contact.

11.3 Further toxicological information

Germ cell mutagenicity: *Not evaluated at this time.*

Carcinogenicity: *Not evaluated at this time.*

Reproductive toxicity: *Not evaluated at this time.*

Evolution toxicity: *Not evaluated at this time.*

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life.

Fish	<i>Leuciscus idus</i>	LC50/96 hours	50 - 100 mg/l
Crustacea	<i>Daphnia magna</i>	EC50/48 hours	2 - 10 mg/l
Algae/aquatic plants	<i>Scenedesmus subspicatus</i>	-	-
Microorganisms	<i>Pseudomonas putida</i>	-	-

12.2 Persistence and degradability

No data.

12.3 Bioaccumulative potential

No data.

12.4 Mobility in soil

No data.

12.5 Results of PBT and vPvB assessment

According to appendice XIII of Regulation (EC) No 1907/2006 (REACH): this mixture does not contain any substances that are assessed to be PBT: *Not evaluated at this time.*

According to appendice XIII of Regulation (EC) No 1907/2006 (REACH): this mixture does not contain any substances that are assessed to be vPvB: *Not evaluated at this time.*

12.6 Other adverse effects

Very toxic to aquatic life. Very toxic to environment: May cause long lasting harmful effects to aquatic life. Do not allow product to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

Waste treatment methods

Must be disposed in accordance with local directives to a special processing. Uncleaned packaging must be disposed at the same way as the product it contains.

SECTION 14: Transport Information

ADR/RID – Land transport

Hazard class:	9 – miscellaneous dangerous goods
Packing group:	III
UN-Number (OSN):	UN 3082
Hazard label:	80
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.

IMDG - Sea transport

Hazard class:	9 – miscellaneous dangerous goods
Packing group:	III
UN-Number (OSN):	UN 3082
Hazard label:	80
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.
Marine pollutant:	NO

ADR/RID – Land transport

Hazard class:	9 – miscellaneous dangerous goods
Packing group:	III
UN-Number (OSN):	UN 3082
Hazard label:	80
Proper shipping name:	Environmentally hazardous substance, liquid, n.o.s.

SECTION 15: Regulatory information

Label	Trade name:	Laminating resin
	Label elements:	DANGER - HGS07, GHS09 (Xi, N)
	Mixture of substances:	Bisphenol A diglycidylether, Diglycidylether

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

- The product has been classified and marked in accordance with EU Directives/Ordinance on hazardous materials.
- The product is classified according to Act No 356/2003 Coll., on chemical substances and chemical preparations and amendments to certain legislation as hazardous material.
- Act No. 258/2000 Coll., on public health protection and on amendment of certain acts, as amended and Regulation No. 361/2007 Coll., determining conditions for occupational health protection.
- Act No. 477/2001 Coll., on packaging and on amending some Acts (Act on Packaging).
- ČSN 65 0201 a ČSN 65 6060.

SECTION 16: Other information

For full version of classification substance/mixture see section 2 and 3.



This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.