

Eli-Bond FR166 - RESIN

Revision Date: 12.12.2024

Revision: 4

Supersedes Date: 24.05.2021

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SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: Eli-Bond FR/166 (Component A – Resin)

Synonym: Not available
Trade Name: Eli-Bond FR166

(Component A – Resin)

Material Uses: Adhesive

Manufacturer: Eli-Chem Resins UK Ltd

212 Dunsfold Park Canada Avenue

Cranleigh, Surrey GU6 8GA Tel: +44 (0) 1483 266636 Email: sales@elichem.co.uk Responsible Name: Aram Fredrich
In Case of + 44 (0) 1483 266636
Emergency: (Business hours only)

Section 2. Composition, Information on Ingredients

Substance/Preparation: Preparation

Ingredient Name	CAS	%	EC	EU/SABS 0265
Reaction product: bisphenol A-(epichlorohydrin)	Number 25068-38-6	> 50	Number 500-033-5	Classification Xi; R36/38 R43/51/53
Hydrocarbon Resin Non-hazardous	71302-91-5	<20	-	S16/24/25/26/29
See Section 16 for the full text of the R Phrases declared above				

^{*} Occupational Exposure Limit(s), if available, are listed in section 8

Section 3. Hazardous Identification

The preparation is classified as not dangerous according to Directive 1999/45/EC and its amendments.

Classification: Xi; R36/38

R43/51/53

Human health hazards: Irritating to eyes and skin.

May cause sensitisation by skin contact.

Environmental Hazards: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

See Section 11 for more detailed information on health effects and symptoms.

Section 4. First Aid Measures

Eye Contact: In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical

attention if irritation occurs.

Skin Contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated

clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical

attention if symptoms appear.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial

respiration. Get medical attention if symptoms persist.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth

to an unconscious person. If large quantities of this material are swallowed, call a physician

immediately.

Notes to Physician: No specific treatment, treat symptomatically. See Section 11 for more detailed information on health effects and symptoms.



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Section 5. Fire Fighting Measures

Flammability of the Product: May be combustible at high temperatures

Auto-ignition Temperature:Not availableFlash Points:> 200°CFlammable Limits:Not available

Products of Combustion: These products are carbon oxides (CO, Co₂..).

Fire Hazards in Presence

of Various Substances: Slightly flammable to flammable in presence of open flame, sparks, and static discharge, of heat.

Explosion Hazards in Presence of Various

Substances: Non identified

Fire Fighting Media and

Instructions: In case of fire, use water spray (fog), foam, dry chemical, or CO₂.

Special protective

Equipment for fire-fighters: Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full

turnout gear.

Special Remarks on Fire

Hazards:

Special Remarks on

No additional remark.

Explosion Hazards: No additional remark.

Section6. Accidental Release Measures

Personal precautions: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable

protective equipment (Section 8). Follow all firefighting procedures (Section5).

Environmental Precautions

and Clean-up Methods: Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13

for Waste Disposal Information.

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate

container for disposal.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

Section 7. Handling and Storage

Handling: Wash thoroughly after handling. Use suitable protective equipment (Section 8). **Storage**: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended: Use original container.

Section 8. Exposure Controls, Personal Protection

Exposure Controls

Occupational exposure

Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of

vapours below their respective occupational exposure limits. Ensure that eyewash stations and

safety showers are proximal to the work-station location.

Respiratory protection: A respirator is not needed under normal and intended conditions of product use. Wear appropriate

respirator when ventilation is inadequate.

Hand protection: Rubber gloves. Neoprene gloves.

Eye protection: Safety glasses. Goggles, face shield, or other full-face protection if potential exists for direct

exposure to aerosols or splashes.



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Skin protection: Additional body garments should be used based upon the task being performed (e.g. sleevelets,

apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Appropriate techniques should be

used to remove potentially contaminated clothing.

Section 8. Exposure Controls, Personal Protection (continue/...)

Personal protective Equipment (Pictograms):





Occupational exposure limits:

Ingredient Name: Occupational Exposure Limits

N/A

Section 9. Physical and Chemical Properties

Physical State and

Appearance: Liquid

Colour: Clear - Transparent Odour: Not available Not available Taste: **Molecular Weight:** Not applicable Molecular Formula: Not applicable pH: Not applicable **Boiling/Condensation Point:** Not available **Melting/Freezing Point:** Not available **Critical Temperature:** Not available Specific Gravity: 1.1 - 1.15 g/cm³ Vapour Pressure: Not available Vapour Density: Not available Volatility: Not available Odour Threshold: Not available **Evaporation Rate:** Not available VOC: Not available

Viscosity / 25°C: 13000 - 15000 mPa.s

LogK_{ow}: The product is insoluble in water and octanol.

Ionicity (in Water): Not available

Dispersion Properties: Is not dispersed in cold water, hot water.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.

Physical Chemical

Comments: No additional remark.

Section 10. Stability and Reactivity

Stability and Reactivity:The product is stableConditions of Instability:None identified.

Incompatibility with Various

Substances: Reactive with acids.

Hazardous Decomposition

Products: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO_{2...})

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Potential Acute Health Effects

Inhalation: No specific hazard



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Ingestion:Ingestion may cause gastrointestinal irritation and diarrhoea.Skin contact:Irritating to skin. May cause sensitisation by skin contact.

Eye contact: Irritating to eyes.

Section 11. Toxicological Information (continue/...)

Acute toxicity

Ingredient Name	<u>Test</u>	Result	Route	Species
Reaction product: bisphenol	LD50	11400 mg/kg	Oral	Rat
A-(epichlorohydrin)	LD50	13600 mg/kg	Oral	Rat
• ,	LD50	>500 mg/kg	Oral	Mouse
	LD50	>1200 mg/kg	Dermal	Rat
	LD50	>1270 mg/kg	Dermal	Mouse

Potential Chronic Health Effects

 Ingredient Name
 Carcinogenic
 Mutagenic Effects
 Developmental toxicity
 Impairs fertility

No evidence of risk in humans

Over-exposure signs/symptoms

Target Organs: Contains material, which causes damage to the following organs: cardiovascular system, skin, eye

lens or cornea.

Other adverse effects: None identified.

Section 12. Ecological Information

Ecotoxicity Data

Ingredient Name Species Period Result

BOD and COD: Not available.
Biodegradable/OECD: Not available.
Mobility: Not available.

Products of Degradation: These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂...).

Toxicity of the Products

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

products of biodegradation are less toxic than the original product.

Special Remarks on the

Products of Biodegradation: Not expected to bioaccumulate.

Section 13. Disposal Considerations

Waste Disposal: Incinerate in a licensed high temperature hazardous waste incinerator. Dispose of according to all

federal, state and local applicable regulations.

Waste Stream: Not applicable. Waste Classification: Not applicable.

European Waste Catalogue

(EWC): Not applicable.

Consult your local or regional authorities.



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Section 14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID/SABS 0228 Class	Not regulated					
IMDG Class	Not regulated					
IATA-DGR Class	Not regulated					

Section 15. Regulatory Information

EU / SABS 0265 Classification

Hazard symbol(s):



ritant

Risk phrases: 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: S24- Avoid contact with skin.

S29- Do not empty into drains S37- Wear suitable gloves.

S46- If swallowed, seek medical advice immediately and show this container or label.

Contains: Reaction product: bisphenol A-(epichlorohydrin) 500-033-5

Product Use: Classification and labelling have been performed according to EU directives 67/548/EEC,

1999/45/EC including amended and the intended use.

- Industrial applications.

Section 16. Other information

Full text of R phrases referred to in Section 2

and 3: R36/37/38- Irritating to eyes, respiratory system, 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.

Full text of

classifications referred

to in Sections 2 and 3: Xi- Irritant

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.