

## ALCON (F-2) PLASTIC METAL BOND EPOXY &amp; ALUMINIUM (LIQUID) - RESIN

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 01st March 2021    | Version | 3.0 |
| Revision date | 18th December 2025 |         |     |

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

- 1.1. Product identifier**  
ALCON (F-2) PLASTIC METAL BOND EPOXY & ALUMINIUM (LIQUID) - RESIN  
Substance / mixture mixture  
Number M-2225
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Resin  
**Mixture uses advised against**  
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**  
**Manufacturer**  
Name or trade name ALCON ENDÜSTRİYEL ÜRÜNLER SAN. VE TİC. LTD. ŞTİ.  
Address SOĞANLIK YENİ MAH. ALİAĞA SOK. NO:8 DAİRE:37 Bumerang  
Kartal Rezidans Kartal, İstanbul, 34880  
Turkey  
Phone +90 216 661 00 90  
Email alcon@alcon.com.tr  
Web address www.alcon.com.tr
- 1.4. Emergency telephone number**  
European emergency number: 112

## SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**  
The mixture is classified as dangerous.  
  
Skin Irrit. 2, H315  
Skin Sens. 1, H317  
Eye Irrit. 2, H319  
Aquatic Chronic 2, H411  
**Most serious adverse effects on human health and the environment**  
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**  
**Hazard pictogram**  
  
**Signal word**  
Warning  
**Hazardous substances**  
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight  $\leq 700$ )  
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.  
**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.

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## Precautionary statements

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P264 Wash hands and exposed parts of the body thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear eye protection/protective gloves/protective clothing.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.  
P501 Dispose of contents/container to be handed over to the person authorized to dispose of waste or by returning to the supplier.

## Supplemental information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

## 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers                                  | Substance name                                                                                         | Content in % weight | Classification according to Regulation (EC) No 1272/2008                                                                                                                                   | Note |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Index: 013-002-00-1<br>CAS: 7429-90-5<br>EC: 231-072-3  | aluminium powder (stabilised)                                                                          | 50-70               | Flam. Sol. 1, H228<br>Water-react. 2, H261                                                                                                                                                 | 1, 2 |
| Index: 603-074-00-8<br>CAS: 25068-38-6<br>EC: 500-033-5 | reaction product: bisphenol-A-(epichlorhydrin);<br>epoxy resin (number average molecular weight ≤ 700) | 20-30               | Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Irrit. 2, H319<br>Aquatic Chronic 2, H411<br>Specific concentration limit:<br>Skin Irrit. 2, H315: C ≥ 5 %<br>Eye Irrit. 2, H319: C ≥ 5 % |      |
| Index: 603-103-00-4<br>CAS: 68609-97-2<br>EC: 271-846-8 | oxirane, mono[(C12-14-alkyloxy)methyl] derivs.                                                         | 20-30               | Skin Irrit. 2, H315<br>Skin Sens. 1, H317                                                                                                                                                  |      |
| CAS: 7631-86-9<br>EC: 231-545-4                         | Silicon dioxide                                                                                        | <1                  | not classified as dangerous                                                                                                                                                                |      |

## Notes

1 *Note T: This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.*

2 *Explosive precursor*

Full text of all classifications and hazard statements is given in the section 16.

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**SECTION 4: First aid measures****4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

**If on skin**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

**If swallowed**

Rinse out the mouth with water and provide 0.2-0.5 L of water. Provide medical treatment if the person has any health problems.

**4.2. Most important symptoms and effects, both acute and delayed****If inhaled**

Not expected.

**If on skin**

May cause an allergic skin reaction.

**If in eyes**

Causes serious eye irritation.

**If swallowed**

Irritation, nausea.

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

Symptomatic treatment.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

**Unsuitable extinguishing media**

Water - full jet.

**5.2. Special hazards arising from the substance or mixture**

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

**5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

**6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

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**6.3. Methods and material for containment and cleaning up**

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

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

Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Avoid release to the environment.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

**7.3. Specific end use(s)**

not available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The mixture contains no substances for which occupational exposure limits are set.

**8.2. Exposure controls**

Take off contaminated clothing and wash before reuse. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

**Eye/face protection**

Protective goggles.

**Skin protection**

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

| Glove material | Thickness | Breakthrough time | Class |
|----------------|-----------|-------------------|-------|
| Neoprene (CR)  | ≥ 0.7 mm  | >480 min          | 6     |

**Respiratory protection**

It is not needed.

**Thermal hazard**

Not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

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

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|                                                          |                    |
|----------------------------------------------------------|--------------------|
| Physical state                                           | liquid             |
| Colour                                                   | metallic           |
| Odour                                                    | Characteristic     |
| Melting point/freezing point                             | data not available |
| Boiling point or initial boiling point and boiling range | data not available |
| Flammability                                             | data not available |
| Lower and upper explosion limit                          | data not available |
| Flash point                                              | data not available |
| Auto-ignition temperature                                | data not available |
| Decomposition temperature                                | data not available |
| pH                                                       | data not available |
| Kinematic viscosity                                      | data not available |
| Solubility in water                                      | data not available |
| Partition coefficient n-octanol/water (log value)        | data not available |
| Vapour pressure                                          | data not available |
| Density and/or relative density                          | data not available |
| Relative vapour density                                  | data not available |
| Particle characteristics                                 | data not available |

**9.2. Other information**

not available

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

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

**10.5. Incompatible materials**

Protect against strong acids, bases and oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

No toxicological data is available for the mixture.

**Acute toxicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) |                  |                                                              |             |               |            |     |
|-----------------------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------|-------------|---------------|------------|-----|
| Route of exposure                                                                                   | Parameter        | Method                                                       | Value       | Exposure time | Species    | Sex |
| Oral                                                                                                | LD <sub>50</sub> | OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method) | >2000 mg/kg |               | Rat (None) | F/M |

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| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |                  |                                                                                                |             |               |            |     |
|-----------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------|-------------|---------------|------------|-----|
| Route of exposure                                                                                         | Parameter        | Method                                                                                         | Value       | Exposure time | Species    | Sex |
| Dermal                                                                                                    | LD <sub>50</sub> | OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)) | >2000 mg/kg |               | Rat (None) |     |

**Skin corrosion/irritation**

Causes skin irritation.

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |       |            |               |         |
|-----------------------------------------------------------------------------------------------------------|-------|------------|---------------|---------|
| Route of exposure                                                                                         | Value | Result     | Exposure time | Species |
| Skin                                                                                                      | None  | Irritating |               | None    |

**Serious eye damage/irritation**

Causes serious eye irritation.

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |       |                    |               |         |
|-----------------------------------------------------------------------------------------------------------|-------|--------------------|---------------|---------|
| Route of exposure                                                                                         | Value | Result             | Exposure time | Species |
| Eye                                                                                                       | None  | Serious eye damage |               | None    |

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |             |               |         |     |
|-----------------------------------------------------------------------------------------------------------|-------------|---------------|---------|-----|
| Route of exposure                                                                                         | Result      | Exposure time | Species | Sex |
| Skin                                                                                                      | Sensitizing |               | None    |     |

**Germ cell mutagenicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Carcinogenicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Reproductive toxicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Toxicity for specific target organ - single exposure**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Toxicity for specific target organ - repeated exposure**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.



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### Repeated dose toxicity

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |           |        |                                                                                                                                                                                                                                                                                                                            |          |               |            |     |
|-----------------------------------------------------------------------------------------------------------|-----------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|------------|-----|
| Route of exposure                                                                                         | Parameter | Result | Method                                                                                                                                                                                                                                                                                                                     | Value    | Exposure time | Species    | Sex |
| Oral                                                                                                      | NOAEL     |        | OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Guideline: EPA OPPTS 870.4300 (Combined Chronic Toxicity / Carcinogenicity), Guideline: other:MITI, Japanese ministry of international trade and industry, February 1998, Remarks on results: other:Effect type: toxicity (migrated information) | 15 mg/kg | 2 years       | Rat (None) | M   |



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| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |           |        |                                                                                                                                                                                                                                                                                                                                                                                                                                          |           |               |            |     |
|-----------------------------------------------------------------------------------------------------------|-----------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------|------------|-----|
| Route of exposure                                                                                         | Parameter | Result | Method                                                                                                                                                                                                                                                                                                                                                                                                                                   | Value     | Exposure time | Species    | Sex |
| Oral                                                                                                      | NOAEL     |        | OECD<br>Guideline<br>453<br>(Combined<br>Chronic<br>Toxicity /<br>Carcinoge<br>nicity<br>Studies),<br>Guideline:<br>EPA<br>OPPTS<br>870.4300<br>(Combined<br>Chronic<br>Toxicity /<br>Carcinoge<br>nicity),<br>Guideline:<br>other:MITI,<br>Japanese<br>ministry of<br>internation<br>al trade<br>and<br>industry,<br>February<br>1998,<br>Remarks<br>on results:<br>other:Effec<br>t type:<br>toxicity<br>(migrated<br>information<br>) | 100 mg/kg | 2 years       | Rat (None) | F   |

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| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ ) |           |        |                                                                                                                                                                                                                                                                                                                                   |          |               |            |     |
|-----------------------------------------------------------------------------------------------------------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------|------------|-----|
| Route of exposure                                                                                         | Parameter | Result | Method                                                                                                                                                                                                                                                                                                                            | Value    | Exposure time | Species    | Sex |
| Oral                                                                                                      | NOAEL     |        | OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: other:japanese MITI guidelines for toxicity testing of chemicals | 50 mg/kg | 90 days       | Rat (None) |     |

**Aspiration hazard**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**11.2. Information on other hazards****Endocrine disrupting properties**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

**Other information**

not available

**SECTION 12: Ecological information****12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

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**Acute toxicity**

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) |          |               |                                                             |             |        |
|-----------------------------------------------------------------------------------------------------|----------|---------------|-------------------------------------------------------------|-------------|--------|
| Parameter                                                                                           | Value    | Exposure time | Species                                                     | Environment | Source |
| LC <sub>50</sub>                                                                                    | 1.2 mg/l |               | Fish (Oncorhynchus mykiss (previous name: Salmo gairdneri)) |             | [1]    |
| EC <sub>50</sub>                                                                                    | 9.4 mg/l | 72 hours      | Algae (Scenedesmus capricornutum)                           |             | [1]    |
| EC <sub>50</sub>                                                                                    | >11 mg/l | 72 hours      | Algae (Scenedesmus capricornutum)                           |             | [2]    |

**Chronic toxicity**

| reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) |          |               |                         |             |
|-----------------------------------------------------------------------------------------------------|----------|---------------|-------------------------|-------------|
| Parameter                                                                                           | Value    | Exposure time | Species                 | Environment |
| LOEC(chronic)                                                                                       | 1 mg/l   |               | Daphnia (Daphnia magna) |             |
| NOEC(chronic)                                                                                       | 0.3 mg/l |               | Daphnia (Daphnia magna) |             |

**12.2. Persistence and degradability**

No data are available for either the mixture or the components.

**12.3. Bioaccumulative potential**

No data are available for either the mixture or the components.

**12.4. Mobility in soil**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

**12.5. Results of PBT and vPvB assessment**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

**12.6. Endocrine disrupting properties**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

**12.7. Other adverse effects**

Not available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**SECTION 14: Transport information****14.1. UN number or ID number**

UN 3082

**14.2. UN proper shipping name**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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

9 Miscellaneous dangerous substances and articles

**14.4. Packing group**

III

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

**Additional information**

Hazard identification No.

UN number

Classification code

Safety signs

90

3082

M6

9+hazardous for the environment

**Road transport - ADR**

Special provisions

274, 335, 375, 601, 650

Limited quantities

5 L

Excepted quantities

E1

**Packaging**

Packing instructions

P001, IBC03, LP01, R001

Special packing provisions

PP1

Mixed packing provisions

MP19

**Portable tanks and bulk containers**

Guidelines

T4

Special provisions

TP1, TP29

**ADR tank**

Tank code

LGBV

Vehicles for tank carriage

AT

Transport category

3

Tunnel restriction code

(-)

**Special provision for**

packages

V12

loading, unloading and handling

CV13

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**Railway transport - RID**

Special provisions 274, 335, 375, 601, 650

**Packaging**

Packing instructions P001, IBC03, LP01, R001

Special packing provisions PP1

Mixed packing provisions MP19

**Portable tanks and bulk containers**

Guidelines T4

Special provisions TP1, TP29

**RID Tanks**

Tank code LGBV

Transport category 3

**Special provision for**

packages W12

loading, unloading and handling CW13

**Air transport - ICAO/IATA**

Packaging instructions for limited amount Y964

Packaging instructions passenger 964

Cargo packaging instructions 964

**Marine transport - IMDG**

EmS (emergency plan) F-A, S-F

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Product contains regulated explosives precursor: Making available, introduction, possession and use of those precursors by member of the general public according to Regulation (EU) 2019/1148, Article 5 to 9. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information****A list of standard risk phrases used in the safety data sheet**

|        |                                                                |
|--------|----------------------------------------------------------------|
| EUH205 | Contains epoxy constituents. May produce an allergic reaction. |
| H228   | Flammable solid.                                               |
| H261   | In contact with water releases flammable gases.                |
| 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.               |

**Guidelines for safe handling used in the safety data sheet**

|      |                                                                       |
|------|-----------------------------------------------------------------------|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children.                                        |
| P264 | Wash hands and exposed parts of the body thoroughly after handling.   |
| P273 | Avoid release to the environment.                                     |
| P280 | Wear eye protection/protective gloves/protective clothing.            |

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according to Commission Regulation (EU) 2020/878 as amended

## ALCON (F-2) PLASTIC METAL BOND EPOXY &amp; ALUMINIUM (LIQUID) - RESIN

|               |                    |         |     |
|---------------|--------------------|---------|-----|
| Creation date | 01st March 2021    | Version | 3.0 |
| Revision date | 18th December 2025 |         |     |

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P302+P352      | IF ON SKIN: Wash with plenty of water.                                                                                           |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.                                                                         |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |
| P362+P364      | Take off contaminated clothing and wash it before reuse.                                                                         |
| P391           | Collect spillage.                                                                                                                |
| P501           | Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.   |

**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| ADR                 | Agreement concerning the international carriage of dangerous goods by road                        |
| Aquatic Chronic     | Hazardous to the aquatic environment (chronic)                                                    |
| BCF                 | Bioconcentration Factor                                                                           |
| CAS                 | Chemical Abstracts Service                                                                        |
| CLP                 | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC                  | Identification code for each substance listed in EINECS                                           |
| EC <sub>50</sub>    | Concentration of a substance when it is affected 50 % of the population                           |
| EINECS              | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS                 | Emergency Response Procedures for Ships Carrying Dangerous Goods                                  |
| EU                  | European Union                                                                                    |
| EuPCS               | European Product Categorisation System                                                            |
| Eye Irrit.          | Eye irritation                                                                                    |
| Flam. Sol.          | Flammable solid                                                                                   |
| IATA                | International Air Transport Association                                                           |
| IBC                 | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |
| ICAO                | International Civil Aviation Organization                                                         |
| IMDG                | International Maritime Dangerous Goods                                                            |
| IMO                 | International Maritime Organization                                                               |
| INCI                | International Nomenclature of Cosmetic Ingredients                                                |
| ISO                 | International Organization for Standardization                                                    |
| IUPAC               | International Union of Pure and Applied Chemistry                                                 |
| LC <sub>50</sub>    | Lethal concentration of a substance in which it can be expected death of 50% of the population    |
| LD <sub>50</sub>    | Lethal dose of a substance in which it can be expected death of 50% of the population             |
| log K <sub>ow</sub> | Octanol-water partition coefficient                                                               |
| NOAEL               | No observed adverse effect level                                                                  |
| NOEC                | No observed effect concentration                                                                  |
| OEL                 | Occupational Exposure Limits                                                                      |
| PBT                 | Persistent, bioaccumulative and toxic                                                             |
| PMT                 | Persistent, mobile and toxic                                                                      |
| ppm                 | Parts per million                                                                                 |
| REACH               | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| RID                 | Regulation concerning the International Carriage of Dangerous Goods by Rail                       |
| Skin Irrit.         | Skin irritation                                                                                   |
| Skin Sens.          | Skin sensitization                                                                                |
| UN number           | Four-figure identification number of the substance or article taken from the UN Model Regulations |

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|              |                                                                                                  |
|--------------|--------------------------------------------------------------------------------------------------|
| UVCB         | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC          | Volatile organic compounds                                                                       |
| vPvB         | Very persistent and very bioaccumulative                                                         |
| vPvM         | Very persistent and very mobile                                                                  |
| Water-react. | Substance or mixture which in contact with water emits flammable gas                             |

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.