

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** EPOLAM 2500 RESINE
- **Application of the substance / the preparation** Epoxy resin
- **Manufacturer/Supplier:**
AXSON FRANCE
Rue de l'Equerre
F-95310 SAINT OUEN L'AUMONE
Tél.(33-1)34 40 34 60
- **Further information obtainable from:** LAB. R&D -(33) 01 34 40 34 60
- **Information in case of emergency:** ORFILA : (33)01 45 42 59 59

2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 9003-36-5 EINECS: 500-006-8	bisphenol-F-epichlorhydrine ; epoxy resins (molecular weight ≤ 700) Xi, N; R 36/38-43-51/53	25-50%
CAS: 25068-38-6 EINECS: 500-033-5	reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) Xi, N; R 36/38-43-51/53	10-25%

3 Hazards identification

· **Hazard description:**



Xi Irritant
N Dangerous for the environment

· **Information concerning particular hazards for human and environment:**

- 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.

4 First-aid measures

- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

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5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Hydrogen chloride (HCl)
- **Protective equipment:**
Wear fully protective suit.
Wear self-contained respiratory protective device.
- **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:**
- **Class according to regulation on flammable liquids:** Void

8 Exposure controls/personal protection

- **Ingredients with limit 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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· **Protection of hands:**



Protective gloves

· **Material of gloves** Synthetic rubber gloves

· **Eye protection:**



Safety glasses

Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **General Information**

Form: Fluid
Colour: Light beige
Odour: Weak, characteristic

· **Change in condition**

Melting point/Melting range: NA°C
Boiling point/Boiling range: >200°C (DIN 53171)

- **Flash point:** >110°C (ISO 2719)
 · **Ignition temperature:** >300°C (DIN 51 794)
 · **Decomposition temperature:** >200°C (DIN 53171)
 · **Self-igniting:** Product is not selfigniting.
 · **Danger of explosion:** Product does not present an explosion hazard.
 · **Density at 25°C:** 1.28 g/cm³
 · **Solubility in / Miscibility with water:** Insoluble.
 · **organic solvents:** Soluble in many organic solvents.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
 No decomposition if used according to specifications.
 · **Dangerous reactions**
 May produce violent reactions with bases and numerous organic substances including alcohols and amines.
 Exothermic polymerization.
 · **Dangerous decomposition products:** Irritant gases/vapours

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11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

9003-36-5 bisphenol-F-epichlorhydrine ; epoxy resins (molecular weight \leq 700)

Oral	LD50	> 2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

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

Oral	LD50	11400 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

· **Primary irritant effect:**

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritating effect.

· **Sensitization:** Sensitization possible through skin contact.

12 Ecological information

· **Information about elimination (persistence and degradability):**

· **Other information:** The product is difficultly biodegradable.

· **General notes:** At present there are no ecotoxicological assessments.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose of the product by burning in a suitable incinerator or bury in an approved landfill following all applicable local and/or national regulations.

· **European waste catalogue**

08 04 99	wastes not otherwise specified
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· **Uncleaned packaging:**

· **Recommendation:**

Empty containers may not be disposed of unless any remaining material adhering to the internal walls has been removed.

Disposal must be made according to official regulations.

14 Transport information

· **Land transport ADR/RID (cross-border)**



· **ADR/RID class:** 9 Miscellaneous dangerous substances and articles.

· **Danger code (Kemler):** 90

· **UN-Number:** 3082

· **Packaging group:** III

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- **Hazard label** 9
- **Description of goods:** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

- **Maritime transport IMDG:**



- **IMDG Class:** 9
- **UN Number:** 3082
- **Label** 9
- **Packaging group:** III
- **Marine pollutant:** No
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 9
- **UN/ID Number:** 3082
- **Label** 9
- **Packaging group:** III
- **Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epoxy resins)

15 Regulatory information

- **Labelling according to EU guidelines:**
The product has been marked in accordance with EU Directives / respective national laws.
- **Code letter and hazard designation of product:**
Xi Irritant
N Dangerous for the environment
- **Hazard-determining components of labelling:**
bisphenol-F-epichlorhydrine ; epoxy resins (molecular weight ≤ 700)
reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)
- **Risk phrases:**
36/38 Irritating to eyes and skin.
43 May cause sensitisation by skin contact.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- **Safety phrases:**
24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
28 After contact with skin, wash immediately with plenty of water.
37/39 Wear suitable gloves and eye/face protection.
57 Use appropriate container to avoid environmental contamination.
60 This material and its container must be disposed of as hazardous waste.

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- **Special labelling of certain preparations:**
Contains epoxy constituents. See information supplied by the manufacturer.
- **National regulations:**
- **Classification according to VbF:** *Void*
- **Waterhazard class:** *Water hazard class 2 (Self-assessment): hazardous for water.*

16 Other information

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.

- **Relevant R-phrases**
36/38 *Irritating to eyes and skin.*
43 *May cause sensitisation by skin contact.*
51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- **Department issuing MSDS:** *Product Safety and Toxicology*

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