

AL.P.A.S. S.R.L.

Revision nr. 5
Dated 01/10/03
Printed on 03/24/04
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12114/A - ALPAPOX 12114/A RESIN

Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Code: 12114/A
Product name ALPAPOX 12114/A RESIN

1.2 Use of the substance / preparation

Intended use ALPAPOX 12114/A RESIN

1.3 Company identification

Name AL.P.A.S. S.R.L.
Full address Strada Statale 10 Padana Ovest Zona Industriale
District and Country 15029 Solero (AL)
ITALIA
+39-0131-217408
+39-0131-217943

1.4 Emergency telephone

For urgent inquiries refer to +39-0131-217408

2. Composition / Information on ingredients

Contains:

Name	Concentr.(C)	Classification
reaction product: bisphenol- A-(epichlorhydrin)	2 <= C < 7	Xi R 36/38 Xi R 43 N R 51/53
reaction product: bisphenol- A-(epichlorhydrin) Cas No 25068-38-6 CE No 500-033-5 Index No 603-074-00-8	36 <= C < 57	Xi R 36/38 Xi R 43 N R 51/53

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The complete text of -R- phrases is specified in section 16.

3. Hazards Identification

3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xi-N
Phrases R: 36/38-43-51/53

3.2 Danger Identification

**IRRITATING TO EYES AND SKIN.
MAY CAUSE SENSITIZATION BY SKIN CONTACT.
TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.**

This product contains epoxy resins. Producer's specifications are as follows:

Because of epoxy-product properties and according to the toxicological data available for similar products, this preparation may sensitize and irritate the skin and the respiratory system.

It contains epoxy components at low molecular weights, which may irritate eyes, mucosae and skin. Frequent contact with skin may cause irritation and sensitization phenomena. Sensitization reactions may also be caused by other epoxy components (cross-sensitization).

Avoid contact with skin and exposure to vapours and aerosols.

4. First aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Protection devices and clothing for the Fire Brigade:

Positive-pressure scubas and fire protective clothing have to be worn.

COOL ALL THE HEATED HOLDERS DOWN BY MEANS OF WATER.

Uninflammable products.

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6. Accidental release measures

Limit the spreading of the spillage with inert absorbent material (sand, earth etc). Neutralize and remove as far as possible the treated mass; wash the remainder with plenty of water.

7. Handling and storage

Store in a wellventilated place keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

8. Exposure controls / personal protection.

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. Physical and chemical properties

Color		white	
Smell		Caratteristico	
Physical State		Thixotrope liquid	
Solubility in water:		N.A.	
Viscosity		440.000 +/- 80.000 cps	
Vapour density		N.A.	
Viscosity at 25°C [mPa.s]		N.A.	
Comburent properties		N.A.	
Partition coefficient: n-octanol/water		N.A.	
pH		N.A.	
Boiling point		N.A.	
Flash point	>	150 °C	
Explosive properties		N.A.	
Vapour pressure		N.A.	
Specific gravity		1,61 - 1,71	Kg/l
Solid content:		99,00 %	

10. Stability and reactivity

Thermal decomposition and combustion release carbon monoxides and other toxic gases and vapours. The product may react exothermically on contact with strong oxidizing agents or reducers, strong acids or bases.

Conditions to be avoided: The product is stable under normal conditions.

Substances to be avoided: acids, amines, alkalis and oxidising agents. The product reacts to these substances, thus causing high heat to be produced (exothermic reaction).

Risks due to decomposition: if the product does not burn thoroughly, carbon monoxide and/or phenolic oxides are released. It decomposes before being on the boil.

Further chemical reactivity: high exothermic reaction, if amines are present.

11. Toxicological information

Acute effects: stinging eyes. Symptoms may include rubescence, edema, pain and lachrymation. Contact with skin may cause irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include erythemas, edemas, papules, vesicles, pustules, scurves, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Scurfy skin, dryness, ulcerations and skin thickening prevail during the acute phase.

These data pertain to: Epoxy resin stemming from bisphenol -A - epichlorhydrin (PM, medium values ≤ 700)

LD 50 oral reaction >2000 mg/Kg mice

LD 50 cutaneous reaction >2000 mg/Kg rabbits

Subjects do not run any risk, if small quantities of the product are accidentally ingested.

Primary irritability:

Skin: repeated exposures can cause skin irritation

Eyes: slight and temporary irritation

Sensitisation: skin sensitisation may occur if the product touches the skin

12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

These data pertain to: Epoxy resin stemming from bisphenol -A - epichlorhydrin (PM, medium values ≤ 700)

The octanol/water partition coefficient (log Pow)'s logarithm is determined at 2.8-4.

Over a long time span, this substance is likely to yield negative effects on the water environment (log Pow >3.0).

The degradation percentage achieved during the Closed Bottle Test is 0% over a 20-day time span.

It is 2-3% over a 28-day time span ("Closed Bottle" test - OECD Test 301 D).

13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14. Transport informations

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR: 9,III UN: 3082
Label: 9
Nr. Kemler: 90
Proper Shipping Name: Environmentally hazardous substance, liquid, Epoxy resin

Carriage by sea (shipping):

UN: 3082
Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, Epoxy resin

Transport by air:

IATA: 9 UN: 3082
Packing Group: III
Label: 9
Cargo:
Packaging instructions: 914
Pass.:
Packaging instructions: 914

15. Regulatory information

Xi



IRRITANT

N



DANGEROUS FOR THE ENVIRONMENT

- R36/38 IRRITATING TO EYES AND SKIN.
- R43 MAY CAUSE SENSITIZATION BY SKIN CONTACT.
- R51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
- S24 AVOID CONTACT WITH SKIN.
- S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
- S29 DO NOT EMPTY INTO DRAINS.
- S37 WEAR SUITABLE GLOVES.
- S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

Contains epoxy constituents. See information supplied by the manufacturer.

Contains:

reaction product: bisphenol- A-(epichlorhydrin)

reaction product: bisphenol- A-(epichlorhydrin)

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

16. Other information

Text of -R- phrases quoted in section 2 of the sheet.

- R 36/38 IRRITATING TO EYES AND SKIN.
- R 43 MAY CAUSE SENSITIZATION BY SKIN CONTACT.
- R 51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);

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3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review

The following sections were modified:

02 / 10 / 11 / 12 / 15