

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

Revision nr. 6
Dated 12/23/03
Printed on 03/24/04
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12114/B - ALPAPOX 12114/B HARDENER

Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Code: 12114/B
Product name ALPAPOX 12114/B HARDENER

1.2 Use of the substance / preparation

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 from Fatty Acid and polyamine polyamide) Cas No 68410-23-1	59 <= C < 100	R 37/38 Xi R 41
Reaction product of poliamine	10 <= C < 25	C R 34 Xn R 21/22 R 37
NAPHTA (PETROL.) HYDROTREATED HEAVY Cas No 64742-48-9	0 <= C < 10	R 10 Xn R 65
ALPHA,ALPHA'-DIAMINO-M-XYLENE	10 <= C < 25	

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Cas No 1477-55-0		N	R 52/53
CE No 216-032-5		C	R 34
		Xn	R 20/22
			R 37
NONYL PHENOL	0,1 <= C < 5	C	R 34
Cas No 84852-15-3		Xn	R 22
CE No 284-325-5		N	R 50/53
Index No 601-053-00-8			
BENZYL ALCOHOL	0 <= C < 8	Xn	R 20/22
Cas No 100-51-6			
CE No 202-859-9			
Index No 603-057-00-5			

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: C-N
Phrases R: 34-37-52/53

3.2 Danger Identification

CAUSES BURNS.
IRRITATING TO RESPIRATORY SYSTEM.
HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4. First aid measures

Eyes: Wash immediately with plenty of water for at least 15 minutes and seek medical advice at once.
Skin: Immediately take off all contaminated clothing and have a shower. Consult a doctor immediately.
Ingestion: Have the patient drink water as much as possible and seek medical advice immediately. Do not induce vomiting before consulting a doctor.
Inhalation: Immediately seek medical advice. In the meantime, remove the patient to the fresh air, far from the contaminated premises; if respiration stops or is difficult, give an artificial respiration adopting the proper measure for the helper.

5. Fire-fighting measures

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. 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.

Extinguishing measures: CO₂, foam, AFFF, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

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.

NAPHTA (PETROL.) HYDROTREATED HEAVY

- TLV TWA 650 mg/m³ ACGIH

ALPHA,ALPHA'-DIAMINO-M-XYLENE

- TLV TWA 0,1 mg/m³ ACGIH valore a breve termine

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	black
Smell	ammonia
Physical State	Liquid
Solubility in water:	N.A.

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Viscosity	700 - 1700 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	> 61 °C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,00 +/- 0,05 Kg/l
Solid content:	90,00 %

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.

Benzyl alcohol: it reacts violently with strong oxidizing agents and may attack aluminium when heated.

11. Toxicological information

This product is corrosive and causes abrasions of skin surface, accompanied by rubefaction, warmth and sting. In the most serious cases, small vesicles appear, which cause strong sting and pain. Upon contact with eyes, it may cause serious harm such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness. If swallowed, it may cause mouth, throat and oesophagus burns; sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia, perforation of the gastro-intestinal tract.

Acute effects: vapour inhalation may irritate the lower and upper respiratory tract and cause cough and respiratory disorders. At higher concentrations it can also cause pulmonary edema. Contact with eyes and skin may cause slight irritation. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Dati riferiti all'alcol Benzilico:

LD 50 (Orale Ratto) = 1230 mg/kg

LD 50 (Orale coniglio) = 1040 mg/kg

LCLO (Inalatoria Ratto) = 1000 ppm/8h

Corrosività/potere irritante:

Cute: Nocivo;

Occhio: Moderatamente irritante;

Sistema respiratorio: Nocivo; non inalare gli eventuali vapori/aerosol.

12. Ecological information

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

Petroleum distillates, charcoal, vegetable extracts: they are mixtures of paraffinic, naphthenic, diterpenic and aromatic hydrocarbons. Their behaviour on the environment depends on the concentration. In each case use, according to good working practices, avoiding disposal in the environment. As a rule, the product is poorly biodegradable.

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: 8 UN: 2735
Packing Group: II
Label: 8
Nr. Kemler: 80
Proper Shipping Name: Amines liquid, corrosive, n.o.s.

Carriage by sea (shipping):

IMO class: 8 UN: 2735
Packing Group: II
EMS: 8-05
Proper Shipping Name: Amines liquid, corrosive, n.o.s.

Transport by air:

IATA: 8 UN: 2735
Packing Group: II

Label: 8

15. Regulatory information

C



CORROSIVE

N



DANGEROUS FOR THE ENVIRONMENT

- R34 CAUSES BURNS.
- R37 IRRITATING TO RESPIRATORY SYSTEM.
- R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
- S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
- S29 DO NOT EMPTY INTO DRAINS.
- S36/37/39 WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
- S45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
- S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

Contains:

Reaction product of poliamine

ALPHA,ALPHA'-DIAMINO-M-XYLENE

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 10 FLAMMABLE.
- R 20/22 HARMFUL BY INHALATION AND IF SWALLOWED.
- R 21/22 HARMFUL IN CONTACT WITH SKIN AND IF SWALLOWED.
- R 22 HARMFUL IF SWALLOWED.
- R 34 CAUSES BURNS.
- R 37 IRRITATING TO RESPIRATORY SYSTEM.
- R 37/38 IRRITATING TO RESPIRATORY SYSTEM AND SKIN.
- R 41 RISK OF SERIOUS DAMAGE TO EYES.

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- R 50/53 VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
- R 52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
- R 65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

GENERAL BIBLIOGRAPHY

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

01 / 02 / 09 / 11 / 14 / 15