



SAFETY DATA SHEET

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1 CHEMICAL PRODUCT AND COMPANY INFORMATION

- 1.1 PRODUCT NAME:** EPOXY AQ-550
- 1.2 USE:** Industrial / professional. Contains epoxy resin and hardener. Adhesive. For anchorages with fasteners and corrugated steel on paraments solid, concrete, brick, stone, etc.
- 1.3 COMPANY NAME:** ANCLAJES QUÍMICOS, S.L.
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Alicante
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www.anclajesquimicos.com info@anclajesquimicos.com

2 HAZARDS IDENTIFICATION

PART A

- 2.A1 HEALTH EFFECTS:**
- Irritating to eyes and skin.
 - May cause sensitization by skin contact.
 - Not classified as flammable but will burn.
 - Toxic to aquatic organisms.
 - At room temperature is stable under normal conditions.
 - Reacts with amines, mercaptans and Lewis acids.
 - Exothermically reacts with caustic products.
 - It was down from 200 ° C.

PART B

- 2.B1 ESPECIFICS HAZARDS:** Harmful if swallowed. - Xn
- 2.B2 PHYSICAL & CHEMICAL HAZARDS:** Being a very fluid substance is necessary to protect the eyes against splashes.

3 COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 CHEMICAL NAME OR GENERIC NAME:** Epoxy Resin
- 3.2 DESCRIPTION:** Bitube Pack of two components, consisting of the following products:
PART A: epoxy resin + load inert.
PART B: Polietilenamina + inert load

3.3 COMPONENTS CONTRIBUTIN TO HAZARDS

Name	symbol	n° cas	n° index(CEE)	% conc.	Risk Phrases
Epoxy Resin PM<700	Xi, N	25068-38-6	500-033-5	> 50 %	36/38,43,51/53
inert load	N O T	A P P L I C A B L E		< 50 %	
Polietilenamina	Xn		612-065-00-8	< 10 %	21/22,34,43
2,4,6- Tri- dimetillaminofenol	Xn		202-013-09	< 5 %	22,36/38
inert load	N O T	A P P L I C A B L E		< 50 %	



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4 FIRST AID MEASURES

- 4.1 INHALATION:** Breathe fresh air. If there is difficulty in breathing, take oxygen and consult a physician.
- 4.2 SKIN CONTACT:** Remove contaminated clothing immediately. Wash skin with soap and water.
- 4.3 EYE CONTACT:** Wash immediately with plenty of water (at least 20 minutes) and see a doctor. (If the person carries remove contact lenses if possible).
- 4.4 INGESTION:** Do NOT induce vomiting. Seek immediate medical advice.

5 FIRE FIGHTING MEASURES

- 5.1 EXTINGUISHING MEDIA SUITABLE:** Use carbon dioxide, dry chemical powder, sand or earth.
- 5.2 NOT SUITABLE:** NO USE WATER JET DIRECT.
- 5.3 SPECÍFICS HAZARDS:** Although this product is not classified as flammable, can burn. There is no risk of explosion.
- 5.4 METHODS OF INTERVENTION:** Cool container with water spray to prevent polymerization. Remove all sources of combustion. Keep containers cool by spraying with water nearby.
- 5.5 PROTECTION OF FIRE-FIGHTERS:** Wear self-contained breathing apparatus.
- 5.6 OTHER:** can be produced nitrogen gas and carbon oxides.

6 ACCIDENTAL REALEASE MEASURE

- 6.1 PERSONAL PRECAUTIONS:** Avoid contact with eyes and skin. Use gloves.
- 6.2 ENVIROMENTAL PRECAUTIONS:** Avoid discharge into sewers. Do not let the product be incorporated into the environment. If the product contaminates rivers and water layers of drains, alerting the relevant authorities in accordance with regulatory procedures.
- 6.3 METHODS OF CLEANING UP:**
- 6.3.1. RECOVERY: Spread sand. Recover the product in a container for subsequent destruction.
- 6.3.2. DISPOSAL: Incineration at a facility approved liquid. Cured product : Authorized discharge.
- 6.3.3. INCOMPATIBLE MATERIALS: Do not use combustible materials for recovery. As sawdust.



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7 HANDLING AND STORAGE

7.1 HANDLING:

- | | |
|---|--|
| 7.1.1. PREVENTION OF WORKER EXPOSURE: | Ventilate the premises with forced removal. No eating no drinking no smoking during use. Avoid contact with skin and eyes. |
| 7.1.2. PREVENTION AGAINST EXPLOSION AND FIRE: | Not smoking, avoiding the accumulation of electrostatic charges. |

7.2 STORAGE:

- | | |
|-----------------------------|--|
| 7.2.1. STORAGE CONDITIONS: | RECOMMENDED: Store between 15 ° C and 30'C. Keep container cool, ventilated, and keep tightly closed. |
| | TO AVOID: Sunlight, heat and ignition sources. No smoking. |
| 7.2.2. PACKAGING MATERIALS: | RECOMMENDED: Deposits of PRFV (polyester reinforced with glass fiber), PE, PP, stainless steel. |
| | TO AVOID: Aluminum, copper, copper alloy and plastic materials are not compatible. |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8 PERSONAL PROTECTIVE EQUIPMENT:

- | | | |
|-----|----------------------------|--|
| 8.1 | RESPIRATORY PROTECTION: | Do not breathe vapors. In case of insufficient ventilation, use suitable respiratory equipment. (Active carbon filter approved by NIOSH.) |
| 8.2 | HAND PROTECTION: | Wear gloves impervious to solvents, PVC or Nitrile, just take your time. |
| 8.3 | EYE PROTECTION: | Wear safety glasses adjusted or eye protection in combination with breathing protection. Use chemical protective goggles and against splashes. |
| 8.4 | SKIN AND BODY PROTECTION: | Use suitable protective clothing. Change clothes at the end of it. |
| 8.5 | SPECIFIC HYGIENE MEASURES: | Do not eat, drink or smoke.
Provide adequate ventilation. |

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE:

- | | | |
|-------|----------------------------|--|
| 9.1.1 | PHYSICAL STATE AND COLOUR: | Gray colored paste (A) and magenta (B) |
| 9.1.2 | ODOUR: | Characteristic amine. |

9.2 RISK OF FIRE O EXPLOSION:

- | | | |
|-------|---------------------------------------|-------------------|
| 9.2.1 | FLASH POINT: | >100°C (B) |
| 9.2.2 | EXPLOSIVE OR FLAMMABLE LIMITS IN AIR: | Is not explosive. |

9.3 BOILING POINT:

> 100°C - 760mmHg

9.4 DENSITY:

1,08 gr/cm3



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9.5 SOLUBILITY:

9.5.1 IN WATER: Partially soluble in water. (B)

9.5.2 IN ORGANIC SOLVENTS: Soluble in most organic solvents.

9.6 VISCOSITY (Brookfield a 20°C): 68000 cps.

9.7 PH: Basic(B) - Not applicable(A)

10 STABILITY AND REACTIVITY

10A.1	STABILITY:	Stable and does not suffer decomposition under normal storage.
10A.2	TO AVOID:	Heat, ignition sources and oxidizing agents.
10A.3	HAZARDOUS DESCOMPOSITION:	Nitrogen oxides NOx. Oxides of Carbon Cox.
10A.4	HAZARDOUS REACTION:	No dangerous reaction known.

11 TOXICOLOGICAL INFORMATION

PART A

11A.1	INHALATION:	By their physical properties is not likely to produce vapors.
11A.2	ACUTE DERMAL TOXICITY:	Irritating to the skin. Can cause allergy in prolonged contact. LD50> 2000mg/Kg
11A.3	OCULAR IRRITATION:	Irritating, is not likely to produce injury to the cornea
11A.4	ACUTE TOXICITY ORAL (INGESTION):	Low. No provision is harmful if swallowed in small amounts. LD50> 2000mg/Kg
11A.5	DERMAL SENSITIZATION:	Sensitiser.
11A.6	MUTAGEN:	Negative in life.

PART B

11B.1	ACUTE ORAL TOXICITY, RAT :	LD50:2500mg/Kg (component 2,4,6- Tri-dimetillaminofenol).
11B.2	DERM TOXICITY:	Irritant.
11B.3	MUTAGENI:	No mutagen.
11B.4	VLE 5 ppm component 2,4,6-Tri- dimetillaminofenol	

12 ECOLOGICAL INFORMATION

PART A

12A.1	MOBILIDAD:	Bioconcentration potential is moderate. Log Pow:3-5. The potential for mobility in soil is low. Poc:500-200.
12A.2	BIODEGRADABLE:	Not readily biodegradable. Test OECD : 12% biodegradation /28 days.
12A.3	BIOACUMULATION:	Potentially bioaccumulative.
12A.4	ECOTOXICITY:	Toxic to aquatic organisms. CL50:1-50mg/L. CE50 Daphnia Magna/ 48 h/1,7mg/L



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PART B

12B.1

GENERAL DIRECTIONS:

The waste of this product may present a risk to long, so it is convenient disposal under existing legislation.
The preparation is not readily biodegradable.
Portability: If the product enters the soil can contaminate groundwater.

12B.2

AQUATIC TOXICITY:

Level of damage to the water 2 (self): Hazardous for water.

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DISPOSAL CONSIDERATIONS

13.1

MEASURES FOR DISPOSAL:

Delete according to existing regulations.
Giving an authorized hazardous waste manager.

13.2

PROCEDURES FOR NEUTRALIZATION OR DESTRUCTION PRODUCT:

Incineration for liquid resins. Crushing and subsequent incineration for solid resin.

13.3

PROCEDURE OF DESTRUCTION OF THE CONTAMINATED PACKING:

Packagings that can not be cleaned should be removed in the same way as the substance.
The packaging can be recycled clean.

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TRANSPORT INFORMATION

14A.1

LAND (RID/ADR, RTMDR/RTMDF):



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Clase ADR/RID-GGVS/E/8/PG II SUBJECTS CORROSIVE

Proper Shipping name:	Amines Solid Corrosive, n.o.s. (Polyamine)
Nº UN:	3259
Packaging group:	II
Label:	8
Marine Pollutant: (P o PP)	No

14.1

SEA (IMDG):



8

Class IMDG:	8
Proper Shipping name:	Amines Solid Corrosive, n.o.s. (Polyamine)
Nº UN:	3259
Packaging group:	II
Label:	8
Marine Pollutant: (P o PP)	No

14.1

AIR (ICAO-TI) (IATA-DGR):



8

Class ICAO/IATA	8
Proper Shipping name:	Amines Solid Corrosive, n.o.s. (Polyamine)
Nº UN:	3259
Packaging group:	II
Label:	8







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REGULATORY INFORMATION

15.1	(EEC) REGULATIONS:	This product has been classified and labeled according to the guidelines of the rules applicable within the EEC.			
15.2	EECEU LABELLING:	Contains epoxy; EU Index No: 603-074-00-8 Contains polyetilenamine.			
15.3	PHRASES R:	R 21/22	Harmful in contact with skin and if swallowed.		
		R 34	Causes burns.		
		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.		
15.4	PHRASES S:	S 26	In case of contact with eyes rinse immediately water and seek medical advice.		
		S 28	In case of contact with skin, wash immediately with soap and water.		
		S 36/37/39	Wear appropriate clothing and gloves and eye protection / face.		
		S 61	Avoid release to the environment. Obtain instructions from the safety data sheet.		
15.5	SYMBOL:				

Xn Harmful

Xi Irritant

C Corrosive

N

Dangerous for Environment

16

OTHER INFORMATION

COMMENTS:

This product must be stored, handled and used in accordance with the procedures of good industrial hygiene and in accordance with existing regulations.

The information in this document should be addressed to the person responsible for safety and any person handling this product.

Once the resin products of the reaction A + B Hardener mixed. The final product presents no risk that they were both separately, obtaining a cured material with certain properties (see datasheet).determinadas (ver ficha técnica).

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This sheet complements the technical information for use, but not replace, is based on our knowledge to date of the product concerned and the laws of EU and national, in that the working conditions of the end-user aren't known or controlled by us. The information contained in this safety data sheet is only a description of the security requirements of preparation and should not be considered as a guarantee of its properties.