

1st EDITION

DATE OF APPROVAL: 10/3/2013

ASTARTE EPOXY ARMOS A+B

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Name of Mixture : **ASTARTE EPOXY ARMOS (A Component)**
Use of Mixture : Solvent Free 2 Component Epoxy Grout
 Epoxy resin with reactive epoxy diluents
 (Number average molecular weight<=700)

Company : NORDIA S.A.
 364, Kifissias Av., 15233 Halandri, Greece

Company telephone : +30 2295022225
Emergency telephone number +30 6932605482

2. HAZARDS IDENTIFICATION

Classification of the mixture
Classification according to 1272/2008(CLP)

Other hazards: Skin irritation 2: H315, Eye irritation 2 : H319,
Label elements Skin sensitization 1:H317, Aquatic chronic 3: H412
Hazard:



Signal word:

Warning

Hazard statement(s):

H315 Cause skin irritation. **H319** Causes serious eye irritation. **H317** May cause an allergic skin reaction. **H412** Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

P273, Avoid release to the environment
 P280,Wear protective gloves/protective clothing/eye protection/face protection.
 P302+352, IF ON SKIN: Gently wash with plenty of soap and 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.
 P333+P313, If skin irritation or rash occurs: Get medical advice/ attention.

Classification according to 67/548/EEC (DSD)

Danger:



Risk phrases:

Irritant

R36/38 - Irritant to eyes and skin
 R 43 - May cause sensitization by skin contact
 R 52/53- Harmful to aquatic organism
 May cause long-term adverse effects in the aquatic environment

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Mixture of liquid epoxy resins and reactive diluents.

Chemical name	EC-No	REACH-No	Index-No	CAS-No	Amount (%)	Classification according Regulation (EC) No 1272/2008 [CLP]		Classification according 67/548/EEC
						Hazard class & category	Hazard statement	
Reaction product: Bisphenol A-(epichlorhydrin) epoxy resin (number molecular weight<700	500-033-5		603-074-00-8	25068-38-6	1-10	Eye Irrit. 2, Skin Irrit. 2, Skin Sens.1, Aquatic Chronic 2 ,	H319 H315 H317 H411	Xi, R36/38, R43 N ,R51/53
(C12-C14) Alkylglycidyl ether	271-846-8		603-103-00-4	68609-97-2	1-10	Skin Irrit. 2 Skin Sens. 1	H315 H317	Xi, R38, R43
Bisphenol F - epichlorohydrin resin with Number Average Molecular Weight < 700				28064-14-4	1-10			Xi ,R36/38, R43 N, R51/53
Other ingredients					<70	Not classified		

Full text of R- and H-phrases: see section 16.

4. FIRST AID MEASURES

General Instructions

: If exist doubts or if the symptoms insist, seek for medical advice.

Inhalation

: Move the victim in open space with clean air.
 Do not give anything from the mouth. If the person has lost his senses, place him with caution and ask for medical advice.

Skin Contact

: Wash the skin thoroughly with soap and water or use suitable detergent. Do not use solvents or thinners.

Eye Contact

: Remove the contact lenses. Wash immediately the eyes with water for 15 minutes holding the eyelids open.

Ingestion

: In case of ingestion do not cause vomit, seek immediately for medical advice and show them this safety data sheet.

5. FIRE FIGHTING MEASURES

- Suitable Extinguishing Agents** : Alcohol Resistant Foam, CO₂, fire fighting dust. Do not use water jet with pressure.
- Special hazards during fire fighting** : The fire produces dense, black smoke. Freeze with water the closed containers that are exposed in fire.
- Special Protective Equipment** : Use suitable respiratory device and suitable protective clothes.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Avoid contact with skin, eyes and the inhalation of vapours. Wear protective clothes.
- Environmental precautions** : Do not allow the product to reach ground/soil. Prevent material from reaching sewage system, holes and cellars. Inform respective authorities in case product reaches water or sewage system.
- Clean up methods** : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

7. HANDLING AND STORAGE

- Handling** : The vapours can form explosive mixtures with air. Prevent the creation of flammable or explosive concentration of vapours in air and avoid concentration of vapours bigger than the limits of professional report. Moreover, the product should be used only in spaces in which do not exist sources of lighting without cover and sources of ignition. Protect the electric equipment according to the suitable method. For the induction of static electricity at the duration of transfusion, ground the container properly. The operators should wear anti-static footwear and clothing and the floor should be grounded. The container must be maintained hermetically closed. Keep away from heat, sparks and flames. It should not be used with tools that can cause spark. Avoid contact with skin and eyes. Avoid the inhalation of dust, particles and vapours that are created during the application of this preparation. Avoid the inhalation of dust that is created at the duration of work of rubbing. The consumption of food, drinks and the smoking should be prohibited in spaces of handling, storage and treatment of this material. The workers should wash their hands before the reception of food, drinks and the smoking. Wear suitable personal protective equipment (see also chapter 8). Never use pressure in order to empty the container. Maintain always the product in containers manufactured from the same material with the initial container. If the operators are spraying should work in booth of

Storage

spraying. In such circumstances they should wear respiratory appliance at the duration of process of spraying and until the concentration of particles and steams of solvent falls under the limits of reports.
 : Store according to the local regulations. Read the precautions that are written in the label. Store in cool, well ventilated space far from incompatible materials and sources of ignition.
 Keep away from: Oxidant mediums, powerful alkalis, powerful acids. The smoking is prohibited. Prevent the access in not permitted individuals. Close hermetically and carefully the containers that have been opened and maintain them in straight place. Do not empty the rest of the content in the sewerage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Mechanical measures : Provide sufficient ventilation. Where it is practical possible, should be used suitable ventilation system.

Equipment of personal protection

Respiratory protection : If the workers are exposed in concentrations above the limit of report, it should be used suitable respiratory devices.

Protection of skin/ body : The personnel should wear protective clothes that cover all the parts of the body.

Protection of hands : For extended or repeated work, use gloves of neoprene or nitrile.

Eye Protection : Wear safety glasses.

Control of environmental report : Do not leave the material to induce in sewerages.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Paste

Odour : Weak

Colour : Depends from the customer

Ignition Point : Not calculated

Boiling point : Not calculated

Flammable point : Not calculated

Pressure of vapors : Not calculated

Viscosity at 23 °C : ≈ 1400-2800 mPa.s

Density : 1.70 g/ml

Solubility : Insoluble in cold and hot water

10. STABILITY AND REACTIVITY

Conditions that should be avoided : It is not decomposed under normal use. Avoid high temperatures.

Materially that should be avoided : Strong oxidant materials.

Dangerous decomposition materials : In case of fire it can be released carbon monoxide and smoke.

11. TOXICOLOGICAL INFORMATION

Do not exist available data for this product. The preparation has been evaluated according to the conventional method of Directive 1999/45/EK for Dangerous Substances and has been categorized proportionally according to the toxicological

dangers. For more details read also chapter 2 and 15.

The report in concentration of steams of solvents that is contained in the product above the determined limit of professional report can cause undesirable repercussions in the health causing irritation at the respiratory system, as well as undesirable repercussions in the kidney, liver and the central nervous system. The symptoms and the clues include headache, dizziness, lassitude, muscle weakness, drowsiness also in extreme cases loss of senses. The solvents can cause certain repercussions if they are absorbed by the skin. If liquid damage the eyes, can cause irritation and irreversible damage.

12. ECOLOGICAL INFORMATION

No available data for this product.
 The preparation has been evaluated according to the conventional method of directive for dangerous preparations 1999/45/EC and has been characterized as dangerous for the environment.
 Dangerous for the aquatic environment. It is not allowed to be released in underground waters, in the aquatic environment or in the sewerage.
 In the aquatic environment it is poisonous for the fishes and the aquatic organisms. Dangerous for potable water. Not soluble in cold and hot water.

13. DISPOSAL CONSIDERATIONS

Do not release it in sewerages or in aquatic sources. Dispose according to all the national and local regulations.

Dangerous Waste : The classification of product fulfils the criteria for dangerous waste.

14. TRANSPORT INFORMATION

Transport on road ADR/RID

Number UN : 3082
 Name of Transport : EPOXY GROUT,
 document CONTAINS LIQUID EPOXY RESIN
 Class : 9
 Packaging group : III
 Label ADR/RID

Transport with boat in the sea IMDG

Number UN : 3082
 Name of Transport : EPOXY GROUT,
 document CONTAINS LIQUID EPOXY RESIN
 IMDG class : 9
 Sea waste : -
 Packaging group : III
 Label IMDG

Air transport ICAO/IATA

Number UN : 3082
 Name of Transport document : EPOXY GROUT,
 CONTAINS LIQUID EPOXY RESIN
 ICAO/IATA Class : 9
 Packaging group : III
 Label ICAO/IATA

15. REGULATORY INFORMATION

Regulations E.C. : The preparation is classified as follows, according to directive 1272/2008/EC.
Contains : Epoxy resin (Number average molecular weight <=700)
Reaction product : bisphenol A -epichlorhydrin



Warning

Hazard statement(s) H315 Cause skin irritation.
 H317 May cause an allergic skin reaction
 H319 Causes serious eye irritation
 H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s) P273 Avoid release to the environment
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+352 IF ON SKIN: Gently wash with plenty of soap and 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
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Regulations E.C. The preparation is classified as follows, according to directive 1999/45/EC.

Symbol(s)



Irritant

Risk Phrases R36/38, R43, R52/53

R 36/38 Irritant to eyes and skin
 R 43 May cause sensitization by skin contact
 R 52/53 Harmful to aquatic organism
 May cause long-term adverse effects in the aquatic environment.

Safety Phrases	S2,S24,S26,S37
S2	Keep out of the reach of children.
S24	Avoid contact with skin.
S26	Wear suitable protective clothing
S37	Wear suitable gloves
Other regulations	Directive 2004/42/EC: Cat A/j < 500g/l

16. OTHER INFORMATION

These statements are based on our current level of knowledge, do not constitute guarantee for the attributes of product neither justify legal consequences.

Relevant (Hazard) H-phrases

H315 Cause skin irritation.

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

H412 Harmful to aquatic life with long lasting effects

Relevant (Risk) R-phrases

R 36/38 Irritant 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.

R 52/53 Harmful to aquatic organism. May cause long-term adverse effects in the aquatic environment

The information that is provided through this Safety Data Sheet is right according to our knowledge and information at the day of publication. The information that are given must be used only as a guide of use, storage, disposal and transport and it should not be considered as guarantee for it's quality.

The information that is given is related only for this material and not in combination with other materials and with other processes.

Chalandri, 10/3/2013



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