

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

- 1.1 **1.1 Product identifier:** Guide Repair Kit with 2-component adhesive
Product code: CR24
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against:**
Identified uses: Adhesive product for use with fish tapes. Professional uses only.
Uses advised against: All uses not specified in this sheet.
- 1.3 **Details of the supplier of the safety data sheet:**
Argon.Lda
Rua Noé Pereira,473
4510-706 Gondomar, Portugal
Tel.: +351 22 466 42 00
geral@argon.pt
<https://argongroup.eu>
- 1.4 **Emergency telephone number:**
Poison Information Centre (CIAV), Portugal
Emergency number: +351 800 250 250 (24h)
European Emergency Number: 112 (24h)

SECTION 2: HAZARD IDENTIFICATION**

2.1 Classification of the substance or mixture:

This product is classified in accordance with Regulation (EC) No 1272/2008 (CLP):

Section	Hazard classes	Category	Classification criteria	Hazard statement
3.2	Causes skin irritation	2	Skin Irrit. 2	H315
3.4	May cause allergic skin reaction	1	Skin Sens. 1	H317
3.3	Causes serious eye irritation	2	Eye Irrit. 2	H319
4.1	Toxic to aquatic life with long lasting effects	2	Aquatic Chronic 2	H411

2.2 Label elements:

Labelling in accordance with Regulation (EC) No. 1272/2008:

Hazard pictograms: GHS09, GHS07



Hazard statements:

H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 – Causes serious eye irritation
H411 – Toxic to aquatic life with long lasting effects

Precautionary statements:

Precautionary recommendation – Prevention

P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P273	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary recommendation – Response

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P358	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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.

Precautionary recommendation – Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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Precautionary recommendation – Storage

N/A	Not Applicable
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2.3 Other hazards:

The product does not contain any substance assessed as PBT or vPvB.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

3.1 Substances:
Not Applicable

3.2 Mixtures:
Description: Mistura de Substâncias

Product/Ingredient	Identifiers	%	Classification*	Concentracion	Type
Bisfenol-A-epicloridrina	REACH: 01-2119456619-26 EC: 500-033-5 CAS: 25068-38-6 INDEX: 603-074-00-8	≥ 75 - ≤ 90	Skym Irrit. 2, H315 Eye Irrit. 2, H319 Skyn Sens. 1, H317 Aquatic Chronic 2, H411	H315: C ≤5% H319: C ≤5%	1*
Phenol	EC: 608-164-0 CAS: 28064-14-4	≤10	Skym Irrit. 2, H315 Eye Irrit. 2, H319 Skyn Sens. 1, H317 Aquatic Chronic 2, H411	-	1*

Classification* – Refer to Section 16 for the full wording of the H-statements mentioned above.

1* – Substance classified as hazardous to health or the environment

The occupational exposure limit(s), if available, are provided in Section 8.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

In case of inhalation:

Remove victim to fresh air and keep them at rest in a position comfortable for breathing. If breathing is difficult, provide oxygen. If respiratory arrest occurs, perform artificial respiration. If symptoms persist or appear to worsen, move the person to a recovery position and seek medical advice immediately.

In case of skin contact:

Immediately remove contaminated clothing and wash the area thoroughly (at least 10 minutes) with water. If possible, consult a physician.

In case of eye contact:

Rinse immediately with plenty of water for at least 10 minutes, ensuring eyelids are held open. If the person is wearing contact lenses, remove them if easy to do, and continue rinsing. If symptoms persist, seek medical advice.

In case of ingestion:

Rinse mouth with water. Do not induce vomiting unless instructed to do so by medical personnel.

Protection for first aid responders:

Take no action that involves any personal risk or without suitable training. Remove contaminated clothing and footwear, wash them before reuse or discard them properly.

4.2 Most important symptoms and effects, both acute and delayed:

Signs/symptoms of overexposure:

Eye contact: Pain or irritation
Watering
Erythema (Redness)

Inhalation: No specific symptoms known

Skin contact: Irritation
Erythema (Redness)

Ingestion: No specific symptoms known

4.3 Indication of any immediate medical attention and special treatment needed

No specific relevant information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing agents:

This product is not flammable under normal conditions. In case of fire due to improper handling, use an appropriate extinguisher for the type of fire in the area.

Inadequate extinguishing media:

No Relevant Information

5.2 Special hazards arising from the substance or mixture:

Hazards arising from the substance or mixture:

In case of fire or heating, pressure will increase and the tube may burst. The material is toxic to aquatic life and has long-lasting effects. Firefighting water contaminated with this product must be contained and must never be discharged into any watercourse, drain, or sewer system.

Hazardous combustion products:

Decomposition products may include the following materials:

Carbon Dioxide
Carbon Monoxide
Halogenated compounds

5.3 Advice for firefighters:

Special protective actions for fire-fighters:

Immediately isolate the area by removing all persons if there is a fire.

Special protective equipment for firefighters:

Depending on the extent of the fire, suitable protective equipment may be necessary, including a self-contained breathing apparatus with a full face mask operated in positive pressure mode. Clothing for fire-fighting personnel must comply with EN469.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For personnel not involved in emergency response:

Do not take any action involving personal risk without proper training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel away. DO NOT touch or walk through spilled material. Avoid inhaling vapors. Provide adequate ventilation. Use a suitable respirator when ventilation is inadequate. Wear appropriate personal protective equipment.

For personnel involved in emergency response:

If specialized clothing is required to deal with the spill, refer to section 8 for appropriate and unsuitable materials.

6.2 Environmental precautions:

Avoid contact with water systems or drainage. In case of contact, notify the appropriate authorities.

6.3 Methods and materials for containment and cleaning up:

Stop the leak if it can be done without risk. Contain and collect spilled material. Dilute with water and clean if water-soluble. Alternatively, absorb with dry material and place in a suitable waste disposal container. Refer to section 13 for disposal considerations.

6.4 Reference to other sections:

Check section 1 for information on emergency contacts

Check section 8 for information on appropriate personal protective equipment

Check section 13 for information on waste treatment

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Protection measures:

Use appropriate personal protective equipment (see section 8). Individuals with a history of skin sensitization should not perform any procedure in which the product is used. Avoid contact with eyes, skin or clothing. Avoid vapor formation. Prevent water from entering the original container or any empty container. Keep the original container tightly closed. Keep tightly sealed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

General occupational hygiene recommendations:

Eating, drinking, and smoking should be prohibited during handling and processing. Workers should wash hands and face before eating, drinking, or smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Store in accordance with local regulations. Store in the original container protected from sunlight, in a dry, cool, well-ventilated area, away from incompatible materials (see Section 10), food, and beverages. Keep container tightly closed and sealed until ready for use. Opened containers must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate container to avoid environmental contamination.

7.3 Specific end use(s):

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limits:

No known exposure limit value.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, monitoring of personnel, workplace atmosphere, or both may be required to determine the effectiveness of control measures or the need to use respiratory protective equipment. Reference should be made to the following monitoring standards:

EN14042
EN482
EN689

National guidance documents should also be consulted for the determination of hazardous substances.

DNELs/DMELs

Substance/Ingredient	Type	Exposure Type	Value	Population	Effects
Bisphenol A epoxy resin (molecular weight ≤700)	DNEL	Short-term, Oral	0.75 mg/kg bw/day	General Population	Systemic
	DNEL	Long-term, Dermal	0.75 mg/kg bw/ day	General Population	Systemic
	DNEL	Short-term, Oral	3.571 mg/kg bw/ day	General Population	Systemic
	DNEL	Long-term, Dermal	3.571 mg/kg bw/ day	General Population	Systemic
	DNEL	Short-term, Oral	8.33 mg/kg bw/ day	General Population	Systemic
	DNEL	Long-term, Dermal	8.33 mg/kg bw/ day	General Population	Systemic
	DNEL	Short-term, Oral	12.25 mg m ³	General Population	Systemic
	DNEL	Long-term, Dermal	12.25 mg m ³	General Population	Systemic

PNEC:

Not available

8.2

Exposure control:

Appropriate technical controls:

Good ventilation should be sufficient to control workers' exposure to airborne contaminants.

Individual protection measures, including personal protective equipment:

A – Hygiene measures:

Wash hands, forearms, and face thoroughly after handling chemical products, before using the restroom, eating, smoking, and at the end of the work period. Appropriate techniques may be needed to remove potentially contaminated clothing. Work clothing contaminated with hazardous materials should not be laundered with personal clothing. Contaminated clothing should be washed before reuse. Ensure that handwashing and shower stations are located near the work area.

B – Eye/Face protection:

Safety goggles, according to approved standards, should be used whenever there is an identified risk of exposure to splashing liquids, sprays, gases, or mists. If there is a possibility of contact, adequate protection must be used, unless a risk assessment suggests that a higher level of protection is necessary-

C – Hand and skin protection:

Chemical-resistant gloves, thick or impermeable, that meet approval standards, should be used whenever chemical handling is required and a risk assessment indicates the need. During use, ensure the gloves are compatible with the hazardous products, as specified by the manufacturer.

Recommended: 1 - 4 hours (protection time), nitrile rubber;
4 - 8 hours (protection time), Viton®/butyl rubber

Suitable footwear should be selected on the basis of the task to be carried out and the risks involved, and should be approved by a specialist before handling this product.

D – Body protection:

Appropriate clothing should be selected based on the task being performed and associated risks, and should be approved by a specialist prior to product handling.

E – Respiratory protection:

Based on hazard and potential exposure, select a respiratory protective device that complies with appropriate standards or certification. Respiratory devices must be used according to manufacturer recommendations and fitted to ensure proper seal and effectiveness.

Recommended: Particulate and organic vapour filter (Type AX)

Environmental exposure controls:

Emissions from work equipment should be checked to ensure compliance with emission limits or modified via engineering controls to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1

Information on basic physical and chemical properties:

General Information:

Physical state:

Liquid

Color:

Yellow

Odor:

Mild

Odor threshold:

Not applicable

Melting point/freezing point:

Not applicable

Initial boiling point and boiling range:	>200°C (>392°F)
Flammability:	Not relevant
Upper/lower flammability or explosive limits:	Not relevant
Flash point:	Closed product: >150°C (>302°F)
Auto-ignition temperature:	Not applicable
Decomposition temperature:	Not relevant
pH:	Not applicable
Viscosity:	Kinematic: 8000 para 15000 mm ² /s
Solubility(ies):	Not relevant
Miscible with water:	No
Partition coefficient n-octanol/water:	Not applicable
Vapour pressure:	

Ingredient Name	Vapour pressure at 20°C			Vapour pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Bisphenol-A-epichlorohydrin (epoxy resin) (average molecular weight ≤700)	0	0	EU A.4			

Relative Density:	Not relevant
Density:	1.17g/cm ³
Vapour density:	Not relevant
Explosive properties:	Not relevant
Oxidising properties:	Not relevant

Particle Characteristics

Median particle size:	Not applicable
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9.2 Other information:

TDA	Not relevant
SAPT	Not relevant

SECTION 10 – STABILITY AND REACTIVITY

- 10.1 **Reactivity:**
No specific test data related to reactivity is available for this product or its ingredients.
- 10.2 **Chemical stability:**
The product is stable.
- 10.3 **Possibility of hazardous reactions:**
No hazardous reactions occur under normal storage and usage conditions.
- 10.4 **Conditions to avoid:**
No specific data available.
- 10.5 **Incompatible materials:**
No specific data available.

- 10.6 **Hazardous decomposition products:**
Under normal conditions of storage and use, no hazardous decomposition products will be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No. 1272/2008:

Acute toxicity	Classification criteria not available
Irritation/Corrosion	Classification criteria not available
Sensitisation	Classification criteria not available
Mutagenicity	Classification criteria not available
Carcinogenicity	Classification criteria not available
Reproductive toxicity	Classification criteria not available
Teratogenicity	Classification criteria not available
Specific target organ toxicity – single exposure (STOT-SE)	Classification criteria not available
Specific target organ toxicity – repeated exposure (STOT-RE)	Classification criteria not available
Aspiration hazard	Classification criteria not available
Information on likely routes of exposure	Classification criteria not available
Acute health effects:	
Eye contact:	Causes serious eye irritation
Inhalation route:	No known significant effects or critical hazards
Skin contact:	May cause an allergic skin reaction
Ingestion:	No known significant effects or critical hazards
Symptoms related to the physical, chemical, and toxicological characteristics	
Eye contact:	Symptoms may include: - Pain or irritation - Watery - Erythema (redness)
Inhalation:	No specific data
Skin contact:	Symptoms may include: - Irritation - Erythema (redness)
Ingestion:	No specific data
Immediate and delayed effects and also chronic effects from short and long-term exposure:	
<u>Short-term exposure</u>	
Immediate effects:	Classification criteria not available
Delayed effects:	Classification criteria not available
<u>Long-term exposure</u>	
Immediate effects:	Classification criteria not available
Delayed effects:	Classification criteria not available

Chronic health effects

Classification criteria not available

General

Uma vez sensibilizado, pode ocorrer uma reação alérgica severa quando for subsequentemente exposto a níveis muito baixos.

Mutagenicity:

Não apresentou efeitos significativos ou riscos críticos

Teratogenicity:

Não apresentou efeitos significativos ou riscos críticos

Carcinogenicity:

Não apresentou efeitos significativos ou riscos críticos

Developmental effects:

Não apresentou efeitos significativos ou riscos críticos

Fertility effects:

Não apresentou efeitos significativos ou riscos críticos

11.2 Information on other hazards:

Endocrine disrupting properties:

Classification criteria not available

Other information:

No further relevant information available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity:

Classification criteria not available

12.2 Persistence and degradability:

Classification criteria not available

12.3 Bioaccumulative potential:

Product name	LogP _{ow}	BCF	Potencial
Bisphenol-A-epichlorohydrin (epoxy resin) (average mol. wt ≤700)	2.64 to 3.78	31	Low

12.4 Soil mobility

Partition coefficient Soil/Water (K_{oc})
Mobility

Not available
Not available

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances assessed as PBT or vPvB.

12.6 Endocrine disrupting properties

Classification criteria not available

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Produto

Disposal methods	You must comply with environmental protection requirements and consult the legislation for waste disposal in accordance with the requirements of the local regional authorities
Hazardous Waste	The classification of the product may fulfil the requirements for it to be considered hazardous waste.

European Waste Catalogue (EWC)

Code	Waste Description
08 04 09	Waste adhesives and sealants containing organic solvents or other hazardous substances

Packaging

Disposal method:

Packaging should be incinerated or disposed of in landfill only when recycling is not feasible.

Code	Waste Description
15 01 09	Packaging contaminated by hazardous substances

Special precautions:

Do not dispose of this product or its container without taking precautions. Do not rinse packaging residues into sewers, watercourses, or soil. Empty containers may retain residues of the product, and the liner may be hazardous. Contaminated packaging should not be reused.

SECTION 14: TRANSPORT INFORMATION







14.1 UN number:

ADR/RID	IMDG	IATA
UN3082	UN3082	UN3082

14.2 Additional hazards information:

ADR/RID	IMDG	IATA
Environmentally hazardous substance, liquid, N.O.S. (epoxy resin, phenol, polymer with formaldehyde, ethylenediamine)	Environmentally hazardous substance, liquid, N.O.S. (epoxy resin, phenol, polymer with formaldehyde, ethylenediamine)	Environmentally hazardous substance, liquid, N.O.S. (epoxy resin, phenol, polymer with formaldehyde, ethylenediamine)

14.3 Transport hazard classes:

ADR/RID	IMDG	IATA
Class 9	Class 9	Class 9
Miscellaneous hazardous materials and objects	Miscellaneous hazardous materials and objects	Miscellaneous hazardous materials and objects
 	 	 

14.4 Packaging group:

ADR/RID	IMDG	IATA
III	III	III

14.5 Environmental hazards:

ADR/RID	IMDG	IATA
Yes	Yes	Yes

Additional information:

ADR/RID	<p>This product is not regulated as a dangerous good when transported in quantities ≤5 L or ≤5 kg, provided transport packaging complies with conditions of 4.1.1.1, 4.1.1.2, 4.1.1.4, and 4.1.1.8.</p> <p><u>Hazard identification number:</u> 90 <u>Limited quantity:</u> 5L <u>Special provisions:</u> 274, 335, 601, 375 <u>Tunnel code:</u> (-) <u>ADR Classification Code:</u> M6</p>
IMDG	<p>This product is not regulated as a dangerous article when transported in quantities ≤5 L or ≤5 Kg, provided that the transport container complies with the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.</p> <p><u>Emergency programmes:</u> F-A, S-F <u>Special provisions:</u> A97, A158, A197</p>
IATA	<p>This product is not regulated as a dangerous article when transported in quantities ≤5 L or ≤5 Kg, provided that the transport container complies with the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.</p> <p><u>Quantity limitation:</u> Cargo and passenger aircraft: 450 litres. Packing instructions: 964. Cargo-only aircraft: 450 litres. Packing instructions: 964. <u>Limited quantities - passenger aircraft:</u> 30kg. Packing instructions: Y964. Special Provisions: A97, A158, A197</p>

14.6 Special precautions for user:

Transport within the user's premises:

Always transport in closed, secure containers in an upright position. Make sure that the people transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in bulk in accordance with IMO instruments:

Not available

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Regulation (CE) n° 1907/2006 (REACH)

Annex XIV	List of substances subject to authorisation	Not mentioned
	Substances of very high concern	Not mentioned
Annex XVII	Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable

Restrictions on Manufacture, Marketing and Use

Country	Product Name	Conc.	Designation	Use
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Other EU regulations

Industrial emissions (integrated pollution prevention and control) – Air:	Not listed
Industrial emissions (integrated pollution prevention and control) – Water:	Not listed

Substances of very high concern (SVHC) under Regulation (EC) No. 1907/2006, Article 59
None of the components is listed.

Prior Informed Consent (PIC) Regulation (EU) No. 649/2012
None of the components is listed.

Persistent Organic Pollutants (POPs)
None of the components is listed.

Seveso Directive
This product is controlled under the Seveso Directive.

Hazard criteria

Category	Description	Threshold quantities for applying lower level requirements	Threshold quantities for applying higher level requirements
E2	Dangerous for the aquatic environment	200 t	500 t

International Regulations

Chemical Weapons Convention – Listed Substances
None of the components is listed

Montreal Protocol
None of the components is listed

Stockholm Convention on Persistent Organic Pollutants
None of the components is listed

Rotterdam Convention on Prior Informed Consent (PIC)

None of the components is listed

UNECE Aarhus Protocol on POPs and heavy metals

None of the components is listed

Stock list

Australia		All components are listed or exempted
Canada		All components are listed or exempted
China		All components are listed or exempted
Eurasian Economic Union	Inventory of the Russian Federation	All components are listed or exempted
Japan	Inventory of Japan (CSCL)	All components are listed or exempted
	Inventory of Japan (ISHL)	All components are listed or exempted
New Zealand		All components are listed or exempted
Philippines		All components are listed or exempted
Republic of Korea		All components are listed or exempted
Taiwan		All components are listed or exempted
Thailand		All components are listed or exempted
Turkey		All components are listed or exempted
United States		All components are listed or exempted
Vietnam		All components are listed or exempted

15.2 **Chemical Safety Assessment**

This product contains substances for which a chemical safety assessment is still required.

SECTION 16: Other Information

Acronyms and Abbreviations

CLP	Regulations for classification, labelling and packaging (Regulation (EC) No. 1272/2008) 1272/2008]
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
N/A	Not Applicable
PBT	Persistent, Bioaccumulative and Toxic
MPmB/VpVb	Very Persistent and Very Bioaccumulative
LogPow	Logarithm of the Octanol/water partition
BCF	Bioconcentration Factor
KOC	Soil-Organic Carbon Partition Coefficient Organic Carbon
CIAV	Poisons Information Centre
INEM	National Institute for Medical Emergencies
EC	European Community Number
CAS	Chemical Abstracts Service Number
PNEC	Expected No Effect Concentration
STOT	Target Organ Specific Toxicity
ADR/RID	European Agreement concerning the Transport of Dangerous Goods by Road and Rail
IMDG	International transport of dangerous goods by sea
IATA	International Air Transport Association

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Classification	Justification
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

Full text of H-phrases mentioned

H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause an allergic skin reaction
H411	Toxic to aquatic life with long lasting effects

Full text of classifications [CLP/GHS]

Aquatic Chronic 2	Long-term (chronic) aquatic environment hazard - Category 2
Eye Irrit. 2	Serious eye damage/eye irritation - Category 2
Skin Irrit. 2	Skin corrosion/irritation - Category 2
Skin Sens. 1	Skin sensitisation - Category 1

Disclaimer of Liability and Responsibility

These details are based on our current knowledge. However, the supplier mentioned above does not assume any responsibility for consequences arising from improper use of the product.

All materials should be handled with care. Although some hazards may not be described here, we cannot guarantee that there are none. The decision on the conformity and proper application of the materials lies with the user.

This Safety Data Sheet is intended exclusively for this product.