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SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Epoxy Glue (Araldite Precision Hardener)
- Product Part Number: 104A
- Contains N' (3-aminopropyl)-N,N-dimethylpropane-1,3-diamine

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Adhesive
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Plastica Ltd
- Address of Supplier: Perimeter House
  Napier Road
  St Leonards-on-Sea
  East Sussex
  United Kingdom
  TN38 9NY
- Telephone: +44 (0) 1424 857857
- Email: Info@plasticapools.com

1.4 Emergency telephone number

- Emergency Telephone: 0800 043 0892

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Corr. 1B, H314, Skin Sens. 1, H317
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: C: R34, R43
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

GHS05

GHS07

- Signal Word: Danger
- Symbols: GHS05, GHS07

- Hazard phrases
  Causes severe skin burns and eye damage.
  May cause an allergic skin reaction.

- Precautionary Phrases
  Wear protective gloves/protective clothing/eye protection/face protection.
  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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SECTION 2 Hazards identification (....)

Immediately call a POISON CENTER or doctor/physician.
Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

- May be harmful if swallowed or in contact with skin.

SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- N' (3-aminopropyl)-N,N-dimethylpropane-1,3-diamine
  Concentration: 5-10%
  CAS Number: 10563-29-8
  EC Number: 234-148-8
  Categories: Skin Corr. 1B, Skin Sens. 1
  R/H Phrases: H314, H317, R34, R43
  Symbols: GHS05, GHS07

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with skin
  After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
  Get immediate medical advice/attention.
- Contact with eyes
  If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
  Irrigate eyes thoroughly whilst lifting eyelids
  Get immediate medical advice/attention.
- Ingestion
  Rinse mouth with water (do not swallow)
  Do not induce vomiting
  Get immediate medical advice/attention.
- Inhalation
  Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- May cause burns to mouth and throat
- Prolonged skin or eye contact may cause chemical burns
- May cause allergic reaction in susceptible people

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

SECTION 5 Fire-fighting measures (....)

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include carbon oxides
- Decomposition products may include ammonia

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Special protective equipment: Wear self-contained breating apparatus (SCBA). Wear full protective clothing including chemical protection suit.
- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid contact with skin and eyes.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash thoroughly after dealing with spillage
- Eyewash bottles should be available

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal
- Place in appropriate container
- Seal containers and label them
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- Wear protective clothing as per section 8

SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid breathing vapours, mist or gas
- Do not get in eyes, on skin, or on clothing.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Eyewash bottles should be available
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store away from other materials.
- Keep away from food, drink and animal feedingstuffs
- Keep container tightly closed, in a cool, well ventilated place
- Keep away from oxidisers, heat, flames or ignition sources

7.3 Specific end use(s)

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SECTION 7 Handling and storage (....)

- Hardener

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- No exposure limits have been set for this product

8.2 Exposure controls

- Do not eat, drink or smoke when using this product.
- Engineering controls should be provided which maintain airborne concentrations as low as practicable
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable protective clothing, including eye/face protection and gloves (neoprene are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Eyewash bottles should be available


Goggles


Gloves


Respirator

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, clear, pale yellow
- Odour: Perceptible odour
- pH: 11.7 (10g/l)
- Boiling Point/Range: >200°C
- Vapour Density: No information available
- Vapour Pressure: Vapour pressure 4 Pa at 20 deg C
- Melting point/Range: No information available
- Freezing point/Range: No information available.
- Viscosity: Viscous
- Flashpoint: 110°C
- Evaporation Rate: No information available
- Solubility in water: Miscible
- Solubility in Fat: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Specific Gravity: 0.95 @ 25°C
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

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SECTION 9 Physical and chemical properties (....)

- No information available

SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- No decomposition if stored normally.

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

- Avoid contact with aluminium, zinc, copper and tin
- Incompatible with oxidizing substances
- Incompatible with peroxides
- Incompatible with strong acids

10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes
- Decomposition products may include carbon oxides
- Decomposition products may include ammonia

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity
- No experimental data available
- Based on available data, the classification criteria are not met

Skin corrosion/irritation
- Causes burns
- Classification based on calculation and concentration thresholds

Serious eye damage/irritation
- Causes serious eye damage.
- Classification based on calculation and concentration thresholds

Respiratory or skin sensitisation
- May cause an allergic skin reaction.
- Classification based on calculation and concentration thresholds

Germ cell mutagenicity
- No information available

Carcinogenicity
- No information available

Reproductive toxicity
- No information available

Specific target organ toxicity (STOT) - single exposure
- No information available

Specific target organ toxicity (STOT) - repeated exposure
- No information available

Aspiration hazard
- No information available

Contact with eyes

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SECTION 11 Toxicological information (....)

- May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
- Causes redness and swelling

Contact with skin
- Causes burns
- May cause allergic reaction in susceptible people
- May cause sensitisation by skin contact

Inhalation
- May cause respiratory tract irritation.
- May cause coughing

Ingestion
- May cause burns to mouth and throat
- The ingestion of significant quantities may cause damage to stomach lining
- May cause gastro-intestinal disturbances

SECTION 12 Ecological information

12.1 Toxicity
- No information available

12.2 Persistence and degradability
- No information available

12.3 Bioaccumulation Potential
- No information available

12.4 Mobility in soil
- Do not allow to penetrate the ground/soil.

12.5 Results of PBT and vPvB assessment
- No information available

12.6 Other Adverse Effects
- No information available

SECTION 13 Disposal considerations

13.1 Waste treatment methods
- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- To be disposed of as hazardous waste

13.2 Classification
- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
- The waste must be identified according to the List of Wastes (2000/532/EC)

SECTION 14 Transport information

Corrosive

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SECTION 14 Transport information (....)

14.1 UN Number

- UN No.: 2735

14.2 UN Proper Shipping Name

- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (dimethyl dipropylene triamine)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- No special precautions are required for this product

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

14.8 Road/Rail (ADR/RID)

- ADR UN No.: 2735
- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (dimethyl dipropylene triamine)
- ADR Hazard Class: 8
- ADR Packing Group: II
- Tunnel Code: E

14.9 Sea (IMDG)

- IMDG UN No.: 2735
- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (dimethyl dipropylene triamine)
- IMDG Hazard Class: 8
- IMDG Pack Group.: II

14.10 Air (ICAO/IATA)

- ICAO UN No.: 2735
- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (dimethyl dipropylene triamine)
- ICAO Hazard Class: 8
- ICAO Packing Group: II

SECTION 15 Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK

15.2 Chemical Safety Assessment

- No information available

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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. R34: Causes burns. R43: May cause sensitisation by skin contact.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

Version 1.0