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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: Pipe Cement ABS & PVC
- Product Part Number: 107
- Contains butanone and epoxy constituents

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
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SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Flam. Liq. 2, H225, Eye Irrit. 2, H319, STOT SE 3, H336, EUH066
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: F; R11, Xi; R36, R66, R67
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



GHS02



GHS07

- Signal Word: Danger
- Symbols: GHS02, GHS07
- Hazard phrases
Highly flammable liquid and vapour.
Causes serious eye irritation.
May cause drowsiness or dizziness.
- Precautionary Phrases
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

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SECTION 2 Hazards identification (....)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Hazard Information (EU)

Repeated exposure may cause skin dryness or cracking.

Contains epoxy constituents. May produce an allergic reaction.

Contains bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700). May produce an allergic reaction.

2.3 Other hazards

- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
-

SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- butanone; ethyl methyl ketone
 - Concentration: 60-100%
 - CAS Number: 78-93-3
 - EC Number: 201-159-0
 - Categories: Flam. Liq. 2, Eye Irrit. 2, STOT SE 3
 - R/H Phrases: H225,H319,H336, EUH066, R11,R36,R66,R67
 - Symbols: GHS02,GHS07, F, Xi
 - REACH Registration Number: 01-2119457290-43-XXXX
 - Substance with a Community workplace exposure limit, see Section 8
 - cyclohexanone
 - Concentration: 1-5%
 - CAS Number: 108-94-1
 - EC Number: 203-631-1
 - Categories: Flam. Liq. 3, Acute Tox. 4
 - R/H Phrases: H226,H332, R10,R20
 - Symbols: GHS02,GHS07, Xn
 - Substance with a Community workplace exposure limit, see Section 8
 - reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)
 - Concentration: <0.1%
 - CAS Number: 25068-38-6
 - EC Number: 500-033-5
 - Categories: Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2
 - R/H Phrases: H319,H315,H317,H411, R36/38,R43,R51/53
 - Symbols: GHS07,GHS09, Xi, N
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SECTION 4 First aid measures

4.1 Description of first aid measures

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SECTION 4 First aid measures (....)

- Contact with skin
Remove contaminated clothing immediately and drench affected skin with plenty of water.
Then wash with soap and water
If skin irritation or rash occurs: Get 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
If eye irritation persists: Get 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 irritation to skin, eyes and the respiratory tract.
 - May cause drowsiness
 - May cause dizziness
 - May cause dermatitis
- 4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically
-

SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- In case of fire: use alcohol resistant foam or dry agent for extinction
- 5.2 Special hazards arising from the substance or mixture
- Highly flammable liquid and vapour.
 - Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
 - In a fire or if heated, a pressure increase will occur and the container may burst
 - Gives off irritating or toxic fumes (or gases) in a fire.
 - Decomposition products may include carbon oxides
- 5.3 Advice for firefighters
- Keep container(s) exposed to fire cool, by spraying with water
 - Special protective equipment: Wear self-contained breathing 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.
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SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Ensure adequate ventilation
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
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SECTION 6 Accidental release measures (....)

- Avoid contact with skin and eyes.
- 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

- Ventilate area
- Eliminate all ignition sources if safe to do so.
- 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.
- Keep away from heat and sources of ignition
- Eyewash bottles should be available
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in highly flammable materials store
- Store away from other materials.
- Keep away from food, drink and animal feedingstuffs
- Keep container tightly closed, in a cool, well ventilated place
- Ground/bond container and receiving equipment.
- Take precautionary measures against static discharge.
- Keep away from oxidisers, heat, flames or ignition sources
- Protect from sunlight.
- Keep away from combustible material

7.3 Specific end use(s)

- Adhesive
-

SECTION 8 Exposure controls/personal protection**8.1 Control parameters**

- cyclohexanone
 - WEL (long term) 39 mg/m³ (UK)
 - WEL (long term) 10 ppm (UK)
 - WEL (short term) 78 mg/m³ (UK)
 - WEL (short term) 20 ppm (UK)

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SECTION 8 Exposure controls/personal protection (....)

- butanone; ethyl methyl ketone
 - WEL (long term) 600 mg/m³ (UK)
 - WEL (long term) 200 ppm (UK)
 - WEL (short term) 899 mg/m³ (UK)
 - WEL (short term) 300 ppm (UK)
 - Can be absorbed through skin

8.2 Exposure controls

- Do not eat, drink or smoke when using this product.
- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable filtering half mask respirator approved to standard EN 149
- Wear suitable protective clothing, including eye/face protection and gloves (nitrile 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



No Smoking

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid
- Odour: Ketone
- pH: No information available
- Boiling Point/Range: No information available
- Vapour Density: No information available
- Vapour Pressure: No information available
- Melting point/Range: No information available
- Freezing point/Range: No information available.
- Viscosity: Viscous
- Relative Density: 0.90 @ 25°C
- Flashpoint: -4°C
- Evaporation Rate: No information available
- Solubility in water: Miscible
- Solubility in Fat: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

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

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- May decompose on exposure to organic peroxides

10.2 Chemical stability

- No decomposition if stored normally.

10.3 Possibility of hazardous reactions

- May form explosive vapour/air mixtures

10.4 Conditions to avoid

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

10.5 Incompatible materials

- Incompatible with oxidizing substances
- Incompatible with acid
- Incompatible with peroxides

10.6 Hazardous Decomposition Products

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

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

- LD50 (oral, rat) (butanone) 2740 g/kg
- LD50 (dermal,rabbit) (butanone) 6480 mg/kg
- LD50 (oral,rat) (cyclohexanone) 1530 mg/kg
- LD50 (dermal,rabbit) (cyclohexanone) 947 mg/kg
- LC50 (inhalation, rat) (cyclohexanone) 32.1 mg/l/l
- LD50 (oral,rat) (CAS 25068-38-6) 11400 mg/kg
- LD50 (dermal,rabbit) (CAS 25068-38-6) >22800 mg/kg
- Based on available data, the classification criteria are not met

Skin corrosion/irritation

- Based on available data, the classification criteria are not met

Serious eye damage/irritation

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

Respiratory or skin sensitisation

- Contains bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700). May produce an allergic reaction.
- Contains epoxy constituents. May produce an allergic reaction.

Germ cell mutagenicity

- No information available

Carcinogenicity

- No information available

Reproductive toxicity

- No information available

Specific target organ toxicity (STOT) - single exposure

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SECTION 11 Toxicological information (....)

- May cause drowsiness or dizziness.
 - Classification based on calculation and concentration thresholds
- Specific target organ toxicity (STOT) - repeated exposure
- No information available
- Aspiration hazard
- The ingestion of significant quantities may cause damage to lungs
- Contact with eyes
- May cause redness and irritation
- Contact with skin
- Mildly irritating to skin
 - Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
 - Repeated exposure may cause skin dryness or cracking.
- Inhalation
- May cause coughing
 - May cause dizziness, confusion, headache or stupor
 - May cause drowsiness
- Ingestion
- May cause gastro-intestinal disturbances
 - The ingestion of significant quantities may cause chronic pneumonitis
-

SECTION 12 Ecological information

12.1 Toxicity

- LC50 (fish) (butanone) 3220 mg/l (96 hr)
- EC50 (crustaceans) (butanone) 5090 mg/l (48 hr)

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
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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
- Empty containers may contain flammable vapours

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.

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SECTION 13 Disposal considerations (....)

- The waste must be identified according to the List of Wastes (2000/532/EC)
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SECTION 14 Transport information

Flammable Liquid

14.1 UN Number

- UN No.: 1133

14.2 UN Proper Shipping Name

- Proper Shipping Name: ADHESIVES

14.3 Transport hazard class(es)

- Hazard Class: 3

14.4 Packing group

- Packing Group: II

14.5 Environmental hazards

- No information available

14.6 Special precautions for user

- No information available

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)

- Proper Shipping Name: ADHESIVES
- ADR UN No.: 1133
- ADR Hazard Class: 3
- ADR Packing Group: II
- Tunnel Code: D/E

14.9 Sea (IMDG)

- Proper Shipping Name: ADHESIVES
- IMDG UN No.: 1133
- IMDG Hazard Class: 3
- IMDG Pack Group.: II

14.10 Air (ICAO/IATA)

- Proper Shipping Name: ADHESIVES
 - ICAO UN No.: 1133
 - ICAO Hazard Class: 3
 - ICAO Packing Group: II
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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

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SECTION 15 Regulatory information (....)

- 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:- EUH066: Repeated exposure may cause skin dryness or cracking. H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects. R10: Flammable. R11: Highly Flammable. R20: Harmful by inhalation. R36: Irritating to eyes. R36/38: Irritating to eyes and skin. R43: May cause sensitisation by skin contact. R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R66: Repeated exposure may cause skin dryness or cracking. R67: Vapours may cause drowsiness and dizziness.

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.

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