POLYPIPE BUILDING PRODUCTS LTD
MATERIAL SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE

1.1 Product Identity

Product Name: CFC 100 – Gap Filling Cement
Pure substance / mixture: Mixture

1.2 Relevant Identified Uses:

Recommended use: Adhesives, sealants
Uses advised against: None known

1.3 Details of Supplier

POLYPIPE BUILDING PRODUCTS
BROOMHOUSE LANE
EDLINGTON
DONCASTER
DN12 1ES

1.4 Contact details / Emergency contact details

TELEPHONE: 01709 770000
EMERGENCY: 01785 272625 (Bostik) (Mon to Fri 09.00 to 17.00)
EMAIL: bp.datasheets@polypipe.com

The following information is based upon our current knowledge and experience of our products and is not exhaustive. It applies to the product range outlined above. The potential hazards identified, together with the recommended precautions for storage, handling and use, give the basic information for conducting workplace risk assessments and adequate control measures under the Control of Substances Hazardous to Health Regulations 2002, Control of Substances Hazardous to Health (Amendment) Regulations 2004, The CLP Regulations and the Approved Code of Practice

2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage / eye irritation	**Category 1 – (H318)**
Specific target organ toxicity (single exposure)	**Category 3 – (H336)**
Flammable liquid	**Category 2 – (H225)**

2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains Cyclohexanone, Methyl ethyl ketone

Signal Word

DANGER

Hazard statements
H318 - Causes serious eye damage
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapour

Special provisions concerning the labelling of certain mixtures
EUH066 - Repeated exposure may cause skin dryness or cracking
EUH205 - Contains epoxy constituents. May produce an allergic reaction
EUH208 - Contains Bisphenol-A-Epichlorhydrin Epoxy resin (number average molecular weight <=700). . May produce an allergic reaction

Precautionary Statements - EU (§28, 1272/2008)
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260 - Do not breathe fumes
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear protective gloves and eye/face protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information
This product requires tactile warnings if supplied to the general public

2.3. Other Hazards

General Hazards
In use may form flammable/explosive vapour-air mixture.

PBT and vPvB assessment
The components in this formulation do not meet the criteria for classification as PBT or vPvB

3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances
Mixture

3.2 Mixtures

Chemical Name	EC No	CAS No.	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Methyl ethyl ketone	201-159-0	78-93-3	40 - <80	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)		01-2119457290-43-XXXX
Cyclohexanone	203-631-1	108-94-1	5 - <10	Acute Tox. 4 (H332) Flam. Liq. 3 (H226) Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Eye Dam. 1 (H318)		01-2119453616-35-XXXX

Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW	500-033-5	25068-38-6	0.1 - <1	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317) Aquatic Chronic 2 (H411)	Eye Irrit. 2 :: C>=5% Skin Irrit. 2 :: C>=5%	01-2119456619-26-xxxx

Full text of H- and EUH-phrases: see section 16
Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL.

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006
(REACH), Article 59)

4: FIRST AID MEASURES

4.1. Description of first aid measures

General Advice — If medical advice is needed, have product container or label at hand.

Inhalation — Remove to fresh air.

Skin Contact — Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.

Eye contact — Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor immediately.

Ingestion — If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Self-Protection of the First Aider — Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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

Symptoms — None known.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors — Treat symptomatically.

5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media — Use CO2, dry chemical, or foam. Move containers from fire area if you can do it without risk.

Unsuitable Extinguishing Media — Use water spray or fog; do not use straight streams

5.2. Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions

Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Water spray may reduce vapour; but may not prevent ignition in closed spaces.

For emergency responders

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Dyke far ahead of spill; use dry sand to contain the flow of material. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. Dyke far ahead of spill for later disposal.

6.4. Reference to other sections

Reference to other sections

See Section 12: ECOLOGICAL INFORMATION
Section 7: HANDLING AND STORAGE
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Take precautionary measures against static charges. Use explosion-proof electrical/ ventilating/ lighting/ equipment.

General Hygiene Considerations

Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep only in the original container/package in a cool well-ventilated place.

7.3. Specific end use(s)

OTHER INFORMATION

Recommendation(s). Observe technical data sheet.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Names	European Union	Ireland	United Kingdom
Methyl ethyl ketone 78-93-3	TWA: 200 ppm TWA: 600 mg/m3	TWA: 200 ppm TWA: 600 mg/m3	STEL: 300 ppm STEL: 899 mg/m3

	STEL: 300 ppm STEL: 900 mg/m3	STEL: 300 ppm STEL: 900 mg/m3 Skin	TWA: 200 ppm TWA: 600 mg/m3 Skin
Cyclohexanone 108-94-1	TWA: 10 ppm TWA: 40.8 mg/m3 STEL: 20 ppm STEL: 81.6 mg/m3 S*	TWA: 10 ppm TWA: 40.8 mg/m3 STEL: 20 ppm STEL: 81.6 mg/m3 Skin	STEL: 20 ppm STEL: 82 mg/m3 TWA: 10 ppm TWA: 41 mg/m3 Skin

Derived No Effect Level (DNEL) No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Tight sealing safety goggles. Face protection shield.

Hand Protection Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.

Skin and Body Protection Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.

Respiratory Protection In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387.

Environmental Exposure Controls Do not allow into any sewer, on the ground or into any body of water.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State Liquid
Appearance Thixotropic
Colour No information available
Odour Characteristic
Odour Threshold No information available

Property	Values	Remarks • Method
pH	No information available	
Melting point / freezing point	No information available	
Boiling Point	79 °C / 174 °F	
Flash Point	-9 °C / 16 °F	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	Not applicable for liquids
Flammability Limit in Air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
Vapour Pressure	No information available	
Vapour Density	No information available	
Relative Density	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	

Partition Coefficient	No information available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Explosive Properties	No information available
Explosive Limits	No information available
Upper	No information available
Lower	No information available
Oxidising Properties	No information available
Kinematic Viscosity	No information available
Dynamic Viscosity	No information available

9.2. Other information

Softening Point	No information available
Molecular Weight	No information available
Solvent content (%)	No information available
Solid content (%)	No information available
Density	0.90 g/cm³
Bulk Density	No data available
VOC content (%)	

10: STABILITY AND REACTIVITY

10.1. Reactivity
Stable under recommended storage conditions.

10.2. Chemical stability
Stable under recommended storage conditions.

Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	May be ignited by friction, heat, sparks or flames.

10.3. Possibility of hazardous reactions

Possibility of Hazardous Reactions
None under normal processing.

10.4. Conditions to avoid
Keep away from heat, sparks and flames.

10.5. Incompatible materials
Strong acids and bases.

10.6. Hazardous decomposition products
None under normal use conditions.

11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information
No information or data specific to the product on this toxicological (health) effect is available.

Inhalation	No data available.
Eye contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin Contact	No data available.
Ingestion	No data available.

Sensitisation	No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation	Not applicable.
Serious eye damage/eye irritation	Not applicable.
Sensitisation	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Carcinogenicity	Not applicable.
Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target Organ Effects	Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.
Aspiration hazard	No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	23,594.00 mg/kg
ATEmix (dermal)	16,907.00 mg/kg
ATEmix (inhalation-dust/mist)	23.10 mg/l
ATEmix (inhalation-vapour)	169.00 mg/l

Component Information

Toxicity Data Data obtained on the component(s) include

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone 78-93-3	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Cyclohexanone 108-94-1	= 1535 mg/kg (Rat)	= 947 mg/kg (Rabbit)	= 8000 ppm (Rat) 4 h
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	LD50 (rat) > 2000 mg/kg OECD 420	>2000 mg/Kg (rat)	-

12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity No information available

Component Information

Data obtained on the component (s) include

Chemical Name	Algae / Aquatic plants	Fish	Crustacea
Methyl ethyl ketone 78-93-3	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50 96 h 3130 - 3320 mg/L (Pimephales promelas flow-through)	EC50 48 h > 308 mg/L (Daphnia magna)
Cyclohexanone 108-94-1	EC50 96 h = 20 mg/L (Chlorella vulgaris)	LC50 96 h 481 - 578 mg/L (Pimephales promelas flow-through)	EC50 24 h = 800 mg/L (Daphnia magna)
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6	EC50 (72h) = 9.4 mg/L (Scenedesmus capricornutum) EPA-660/3-75-009	1.2 mg/l 96Hr (Oncorhynchus mykiss)	2.7 mg/l 48hr Daphia Magna

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

Partition coefficient No information available

12.4. Mobility in soil

Mobility in soil No information available

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other Adverse Effects

No information available

Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors – Evaluated Substances
Bisphenol-A-Epichlorhydrin Epoxy resin <= 700 MW 25068-38-6		

13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Improper disposal or reuse of this container may be dangerous and illegal.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

OTHER INFORMATION Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

ADR

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
Hazard Labels	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III, (D/E)
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	None
Classification Code	F1
Tunnel restriction code	(D/E)
Limited Quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	30

IMDG

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
14.4 Packing Group III	
Description	UN1133, Adhesives, 3, III, (-9℃ c.c.)
14.5 Marine Pollutant	Np
14.6 Special Provisions	223, 955
Limited Quantity (LQ)	5 L
EmS-No	F-E, S-D
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

RID

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
Hazard Labels	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III
14.5 Environmental Hazard	Not applicable
Classification Code	F1
14.6 Special Provisions	None
Limited Quantity (LQ)	5 L

ICAO (air)

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions A3	

IATA

14.1 UN/ID no	UN1133
14.2 Proper Shipping Name	Adhesives
14.3 Hazard Class	3
14.4 Packing Group	III
Description	UN1133, Adhesives, 3, III
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	A3
Limited Quantity (LQ)	10 L
ERG Code	3L

15. REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction
This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization
This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU) P5a - FLAMMABLE LIQUIDS
or
P5b - FLAMMABLE LIQUIDS
or
P5c - FLAMMABLE LIQUIDS

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Persistent Organic Pollutants
Not applicable

15.2. Chemical safety assessment
None

16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3
H332 - Harmful if inhaled
H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H317 - May cause an allergic skin reaction
H411 - Toxic to aquatic life with long lasting effects
H336 - May cause drowsiness or dizziness
H225 - Highly flammable liquid and vapour
EUH066 - Repeated exposure may cause skin dryness or cracking

Legend
SVHC: Substances of Very High Concern for Authorisation:

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
STOT (RE): Specific target organ toxicity - Repeated exposure
STOT (SE): Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data
Classification and labelling data calculated from data received from raw material suppliers

Training Advice Provide adequate information, instruction, and training for operator

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006
Disclaimer

The information provided in this Safety Data Sheet was compiled using current safety information supplied by distributors of the component materials. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

This safety data sheet. Recipients of the product must take responsibility for observing existing laws and regulations. This Safety Data Sheet is in REACH Annex II format and supersedes all previous issues, and users are cautioned to ensure it is the current version.

Destroy all previous revisions and refer to the supplier on +44 1709 770000 for queries regarding this data sheet.