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1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE

1.1 Product Identity

Product Name: SC125, SC250, SC500 – Solvent Cement
Pure substance / mixture: Mixture

1.2 Relevant Identified Uses:

Recommended use: Adhesive, sealants.
Uses advised against: None known

1.3 Details of Supplier

POLYPIPE BUILDING PRODUCTS
BROOMHOUSE LANE
EDLINGTON
DONCASTER
DN12 1ES

TELEPHONE: 01709 770000
EMERGENCY: 01785 272625 (Bostik)
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 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)

2.2. Label Elements

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

Contains: Cyclohexanone, Methyl ethyl ketone



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Signal Word

DANGER

Hazard statements

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

Special provisions concerning the labelling of certain mixtures

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

This product is a mixture. Health hazard information is based on its components.

Chemical Name	EC No	CAS No.	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	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	108-631-1	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

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Bisphenol-A- Epichlorhydrin Epoxy resin <700 MV	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)	01-2119456619- 26-XXXX
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This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (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:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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.

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.

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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 liquid 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 STEL: 300 ppm STEL: 900 mg/m3	TWA: 200 ppm TWA: 600 mg/m3 STEL: 300 ppm STEL: 900 mg/m3 Skin	STEL: 300 ppm STEL: 899 mg/m3 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.

Skin and Body Protection

Antistatic footwear. Wear fire/flame resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.

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

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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 / 174.2 °F	
Flash Point	-9 °C / 15.8 °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	
Specific Gravity	No information available	
Water Solubility	No information available	
Solubility in Other Solvents	No information available	
Partition Coefficient	No information available	
Auto ignition 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	
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.		
<u>Explosion Data:</u>		
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.		

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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

Product Information

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

Inhalation	No Data Available.
Eye contact	No Data Available.
Skin Contact	No Data Available.
Ingestion	No Data Available.
Sensitisation	No Data Available.

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)	20,365.00 mg/kg
ATEmix (dermal)	16,907.00 mg/kg
ATEmix (inhalation-dust/mist)	23.10 mg/l
ATEmix (inhalation-vapour)	42.00 mg/l

Unknown acute toxicity 75 % of the mixture consists of ingredient(s) of unknown toxicity.
0.33 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
0.33 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
8.959 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
75.073 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
2.453 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Component Information

Toxicity Data No information available

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
Cyclohexanone	= 1535 mg/kg (Rat)	= 947 mg/kg (Rabbit)	= 8000 ppm (Rat) 4 h
Bisphenol-A-Epichlorohydrin Epoxy resin <700 MW	= 11400 mg/kg (Rat)	>2000 mg/Kg (rat)	

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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	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	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-Epichlorohydrin Epoxy resin <700 MW		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			
No information available.			
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 Disruptors Candidate List	EU - Endocrine Disruptors – Evaluated Substances	
Bisphenol-A-Epichlorohydrin Epoxy resin <700 MW	Group III Chemical		
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.		

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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
14.5 Environmental Hazard	Not applicable
14.6 Special Provisions	640E
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.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
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

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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 $\geq 0.1\%$ (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

No information available

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

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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.