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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

### 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 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  $\leq 700$ ). 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.

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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
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

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 CO<sub>2</sub>, 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).

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### **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.

### **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**

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

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	STEL: 900 mg/m3	STEL: 900 mg/m3 Skin	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

<b>Derived No Effect Level (DNEL)</b>	No information available
<b>Predicted No Effect Concentration (PNEC)</b>	No information available.
<b>8.2. Exposure controls</b>	
<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Tight sealing safety goggles. Face protection shield.
<b>Skin and Body Protection</b>	Antistatic footwear. Wear fire/flame resistant/retardant clothing. Gloves made of plastic or rubber. Suitable protective clothing. Apron.
<b>Environmental Exposure Controls</b>	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**

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Thixotropic
<b>Colour:</b>	No information available
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	No information available

<b>Property:</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	No information available	
<b>Melting point/freezing point</b>	No information available	
<b>Boiling Point</b>	79 °C / 174.2 °F	
<b>Flash Point</b>	-9 °C / 15.8 °F	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	Not applicable for liquids
<b>Flammability Limit in Air</b>		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
<b>Vapour Pressure</b>	No information available	
<b>Vapour Density</b>	No information available	
<b>Specific Gravity</b>	No information available	
<b>Water Solubility</b>	No information available	
<b>Solubility in Other Solvents</b>	No information available	
<b>Partition Coefficient</b>	No information available	
<b>Auto ignition Temperature</b>	No information available	
<b>Decomposition Temperature</b>	No information available	
<b>Explosive Properties</b>	No information available	
<b>Explosive Limits</b>		
Upper	No information available	
Lower	No information available	
<b>Oxidising Properties</b>	No information available	
<b>Kinematic Viscosity</b>	No information available	
<b>Dynamic Viscosity</b>	No information available	

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**9.2. Other information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>Solvent content (%)</b>	No information available
<b>Solid content (%)</b>	No information available
<b>Density</b>	0.90
<b>Bulk Density</b>	No Data Available
<b>VOC content (%)</b>	

**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**

**Product Information**

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

<b>Inhalation</b>	No Data Available.
<b>Eye contact</b>	No Data Available.
<b>Skin Contact</b>	No Data Available.
<b>Ingestion</b>	No Data Available.
<b>Sensitisation</b>	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**

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<b>Acute Toxicity</b>			
<b>The following values are calculated based on chapter 3.1 of the GHS document</b>			
<b>ATEmix (oral)</b>	20,365.00 mg/kg		
<b>ATEmix (dermal)</b>	16,907.00 mg/kg		
<b>ATEmix (inhalation-dust/mist)</b>	23.10 mg/l		
<b>ATEmix (inhalation-vapour)</b>	42.00 mg/l		
<b>Unknown acute toxicity</b>	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).		
<b>Component Information</b>			
<b>Toxicity Data</b> No information available			
<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
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)	
<b>12: ECOLOGICAL INFORMATION</b>			
<b>12.1. Toxicity</b>			
<b>Ecotoxicity</b>	No information available		
<b>Component Information</b>			
Data obtained on the component(s) include			
<b>Chemical Name</b>	<b>Algae / Aquatic plants</b>	<b>Fish</b>	<b>Crustacea</b>
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
<b>12.2. Persistence and degradability</b>			
No information available.			
<b>12.3. Bioaccumulative potential</b>			
No information available.			
<b>Partition coefficient</b>	No information available		
<b>12.4. Mobility in soil</b>			
<b>Mobility in soil</b>	No information available.		

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**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**

<b>Chemical Name</b>	<b>EU - Endocrine Disruptors Candidate List</b>	<b>EU - Endocrine Disruptors – Evaluated Substances</b>
Bisphenol-A-Epichlorohydrin Epoxy resin <700 MW	Group III Chemical	

**13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

<b>Waste from Residues/Unused Products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>European Waste Catalogue</b>	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
<b>Other Information</b>	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

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<b>14.6 Special Provisions</b>	A3
<b>Limited Quantity (LQ)</b>	10 L
<b>ERG Code</b>	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  $\geq 0.1\%$  (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:

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**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.