

**POLYPIPE BUILDING PRODUCTS LTD
MATERIAL SAFETY DATA SHEET**

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Code: SC 125, SC250, SC500 – Solvent Cement
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1. IDENTIFICATION

PRODUCT NAME: SC125, SC250, SC500 – Solvent Cement

SUPPLIER: POLYPIPE BUILDING PRODUCTS
BROOMHOUSE LANE
EDLINGTON
DONCASTER
DN12 1ES

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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

Highly Flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to the eyes.

Vapours are heavier than air and can travel long distances to a source of ignition. Pilot lights can ignite the vapour

Classification - Xi;R36. F;R11. R66, R67.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No	Cas-No	Content	Classification
Bisphenol A - Epichlorohydrin Epoxy Resin (number av mw<700)	500-033-5	25068-38-6	< 1%	Xi;R36/38. N;R51/53. R43.
Butanone	201-159-0	78-93-3	60-100%	F;R11 Xi;R36 R66 R67
Cyclohexanone	203-631-1	108-94-1	1-5%	R10 Xn;R20
Tetrahydrofuran	203-726-8	109-99-9	5-10%	Xi;R36/37. F;R11. R19.

4. FIRST AID MEASURES

Inhalation: Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

Skin contact: Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Wash skin with soap and water. Get medical attention if irritation persists after washing.

Eye contact: Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES

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Extinguishing Media: Fire can be extinguished using Powder or Foam.

Unusual fire & explosion hazards: Generates massive smoke during fire. Vapours are heavier than air and may spread near ground to sources of ignition. **HIGHLY FLAMMABLE!** Risk of explosion in closed containers if pressure rises rapidly. Solvent vapours may form explosive mixtures with air.

Products of Combustion: Toxic gases/vapours/fumes of Carbon dioxide (CO₂). Carbon monoxide (CO).

Protective Equipment: Wear Breathing Apparatus if fighting fires in confined spaces.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective equipment. Avoid contact with skin and eyes. Provide adequate ventilation.

Environmental precautions: Prevent entry into drains. Avoid discharge into water courses or onto the ground.

Spill clean up methods: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Absorb with sand or other inert absorbent. Collect with absorbent, non-combustible material into suitable containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7. HANDLING AND STORAGE

Usage precautions: Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

Storage precautions: Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Store at moderate temperatures in dry, well ventilated area.

Storage class: Flammable liquid storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Limits

Butanone – WEL 200ppm (Sk) (8 hr TWA), 300ppm (Sk) (15 min STEL).
Cyclohexanone – WEL 10ppm (Sk) (8 hr TWA), 20ppm (Sk) (15 min STEL).
Tetrahydrofuran - WEL 50ppm (Sk) (8 hr TWA), 100ppm (Sk) (15 min STEL).
[Ref: EH40/2005 and subsequent revisions]

Ventilation: Explosion-proof general and local exhaust ventilation.

Respirators: If ventilation is insufficient, suitable respiratory protection must be provided with organic vapour filter.

Protective Gloves: Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Nitrile. Use thin cotton gloves inside the rubber gloves if allergy risk.

Eye Protection: Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures: **DO NOT SMOKE IN WORK AREA !.** Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES *

Appearance: Thixotropic Liquid

Colour: Colourless

Odour: Organic Solvents

Boiling Point: 65760 mm Hg

Flash Point: - 14 CC (Closed cup).

Relative density: 0.9 @ 20 °c

10. STABILITY AND REACTIVITY

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Stability: Avoid: Heat, sparks, flames.
Materials to avoid: Strong oxidising substances.
Hazardous decomposition products: Fire or high temperatures create: Toxic gases/vapours/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO).

11. TOXICOLOGICAL INFORMATION

Inhalation: Drowsiness, dizziness, disorientation, vertigo. Gas or vapour may irritate respiratory system.
Ingestion: Pneumonia may be the result if vomited material containing solvents reaches the lungs.
Skin contact: Prolonged contact may cause dryness of the skin. May cause skin irritation/eczema
Eye contact: Irritating to eyes. Irritation, burning, lachrymation, blurred vision after liquid splash.
Health warnings: De-fats the skin. Prolonged or repeated exposure may cause severe irritation.
Medical considerations: Skin disorders and allergies.

12. ECOLOGICAL INFORMATION

Not regarded as dangerous for the environment. However, contamination of the aquatic or terrestrial environments should be avoided

13. WASTE DISPOSAL

Disposal Methods: Place used and contaminated materials in suitable containers. Waste product comes within the scope of The Environmental Protection (Duty of Care) Regulations 1991 (SI 1991/2839 as amended SI 1996/972).
Check for possible re-cycling.

14. TRANSPORT INFORMATION

UK road class: 3
Proper shipping name: ADHESIVES
Un No. Road: 1133 UK ROAD PACK GR. 111
ADR class No. 3
ADR Class: 3: Flammable liquids.
ADR Pack Group: III TUNNEL RESTRICTION CODE (D/E)
Hazard no. (ADR): 30 ADR LABEL NO. 3
Hazchem Code: •3YE CEFIC TEC(R) NO. 30GF1-I+III, 30GF1-sp
RID Class No: 3 RID PACK GROUP III
UN No. Sea: 1133 IMDG CLASS 3
IMDG PACK GR: III EMS F-E, S-D
MFAG: See Guide UN NO. AIR 1133
AIR CLASS: 3. AIR PACK GR. III

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15. REGULATORY INFORMATION

Label for Supply: Highly Flammable, Irritant.

Risk Phrases:

R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrases:

S2 Keep out of the way of children.
S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S46 If swallowed, seek medical advice immediately and show the container or label.
S51 Use only in well ventilated areas.
S56 Dispose of this material and its container to a Hazardous or Special waste collection point.
S24/25 Avoid contact with skin and eyes.
P5 Contains epoxy constituents. See information supplied by the manufacturer.
P14 Contains BISPHENOL A -EPICHLOROHYDRIN EPOXY RESIN (NUMBER AV MW<700). May produce an allergic reaction.

UK Regulatory References:

Chemicals (Hazard Information & Packaging for Supply) Regulations.

16. OTHER INFORMATION

This safety data sheet was compiled using current safety information supplied by distributors of the component materials. 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.