

1. Identification of the Substance/Preparation and the Company Undertaking

Product Name Polypipe Terrain Liquid Weld

Supplier Polypipe Terrain
College Road
New Hythe Business Park
Aylesford
Kent
ME20 7PJ
Tel: 01622 795200

Emergency Telephone Tel. 01622 795200

Application Adhesive

2. Hazard Identification

Hazard Description



Irritant



Highly Flammable

Information concerning particular hazards to man and environment

Repeated exposure may cause skin dryness or cracking
Vapours may cause drowsiness and dizziness
Irritating to eyes
Vapours are heavier than air and can travel long distances to a source of ignition

Classification System

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

3. Composition/Information on Ingredients

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

For wording of the listed Risk Phrase(s) refer to section 15

4. First Aid Measures**In the event of exposure by inhalation**

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

In the event of splashes or contact with eyes

Rinse the eye with water immediately
Continue to rinse for 15 minutes and get medical attention

In the event of splashes or contact with skin

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

In the event of swallowing

DO NOT induce vomiting
Get medical attention immediately

5. Fire Fighting Measures**Extinguishing Media**

Extinguish with Powder or Foam

Unusual Fire and Explosion Hazards

Generates massive smoke during fire
Vapours are heavier than air and may spread near ground to source of ignition
HIGHLY FLAMMABLE
Risk of explosion in closed containers if pressure rises rapidly
Solvent vapours may form explosive mixtures with air

Specific Hazards

Toxic gases/vapours/fumes of Carbon dioxide (CO₂), Carbon monoxide (CO)

Special Protective Equipment for Fire Fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire

6. Accidental Release Measures**Personal Precautions**

Avoid contact with skin and eyes
Provide adequate ventilation
Wear protective clothing as described in section 8 of this safety sheet

Environmental Precautions

Prevent entry to drains
Avoid discharge into water courses or onto the ground

6. Accidental Release Measures (continued)

Methods for Cleaning up

- 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 symbols

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 containers and transfer equipment to eliminate static electric sparks
- Store at a moderate temperature in dry, well ventilated area

Storage Class

Flammable liquid storage

8. Exposure Control/Personal Protection

Exposure Limit Values

Name	Std	TWA – 8 hrs		STEL – 15 min	
Butanone	WEL	200 ppm(Sk)	600 mg/m ³ (Sk)	300 ppm(Sk)	899 mg/m ³ (Sk)
Tetrahydrofuran	WEL	50 ppm(Sk)		100 ppm(Sk)	
Cyclohexanone	WEL	10 ppm(Sk)		20 ppm(Sk)	

WEL = Workplace Exposure Limit

Protective Equipment



Engineering Equipment

Explosion-proof general and local exhaust ventilation

8. Exposure Control/Personal Protection (continued)**Respiratory Equipment**

Respiratory equipment must be used if air contamination exceeds acceptable level
Wear mask supplied with: Gas cartridge suitable for organic substances

Hand Protection

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

Eye Protection

Wear splash-proof 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 THE 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 Solvent
Boiling Point (°C)	65°C 760 mm Hg
Flash Point (°C)	minus 14°C CC (Closed Cup)
Relative Density	0.9 @ 20°C

10. Stability and Reactivity**Stability**

Avoid: Heat, sparks, flames

Materials to avoid

Strong oxidising substances

Hazardous decomposition products

Fire or high temperatures create: 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 Warning

Defats the skin. Prolonged or repeated exposure may cause severe irritation

Medical Considerations

Skin disorders and allergies

12. Ecological Information**Ecotoxicity**

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

13. Disposal Considerations**General Information**

Waste is classified as hazardous waste
Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.
Do not allow runoff to sewer, waterway or ground
Recover and reclaim or recycle, if practical

Waste Class

Classified as Special Waste. Not permitted for landfill in liquid state

14. Transport Information



UK Road Class	3		
Proper Shipping Name	ADHESIVE		
UN No. Road	1133	UK Road Pack GR.	III
ADR Class No	3	ADR Class	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-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

15. Regulatory Information

Labelling



Irritant



Highly Flammable

15. Regulatory Information (continued)**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

S16	Keep away from sources of ignition
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection
S46	If swallowed, seek medical advice immediately and show this container or label
S51	Use only in well-ventilated areas
S56	Dispose of this material and its container to hazardous or special waste collection point
P5	Contains epoxy constituents. See information supplied by manufacturer
P14	Contains BISPENOL A –EPICHLOROHYDRIN EPOXY RESIN (number AV MW<700). May produce an allergic reaction

Statutory Instruments

Chemicals (Hazardous Information and Packaging) Regulations.
Control of Substances Hazardous to Health

Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply

Guidance Notes

Workplace Exposure Limits EH40
CHIP for everyone HSG(108)
Introduction to Local Exhaust Ventilation HS(G)37

16. Other Information

Since the users working conditions are not known by us, the information supplied on this safety sheet is based on our current level of knowledge and on National and community regulations.

The product must not be used for any purpose other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.