

**MATERIAL SAFETY DATA SHEET
 ACCORDING TO 91/155 EC**
DURAPIPE CORZAN SOLVENT CEMENT
1. IDENTIFICATION OF SUBSTANCE

Product details

Trade name:	Durapipe Corzan Solvent Cement
Article number:	0.5 Litre tins: 38 462 395. 1.0 Litre tins: 38 462 396.
Application of the substance / the preparation:	Adhesives
Manufacturer/Supplier:	Durapipe UK Walsall Road, Norton Canes, Staffordshire WS11 3NS, England
	Email: enquiries@durapipe.co.uk Website: www.durapipe.co.uk
	Tel: 00 44 (0) 1543 279 909 Fax: 00 44 (0) 1543 279 450

2. CHEMICAL COMPOSITION

	CAS No.	Classification	Content	EC No.
Tetrahydrofuran	109-99-9	F Xi, R-11,19, 36, 37	25 - 50 %	203-726-8
Methylethylketone	78-93-3	F Xi, R-11, 36, 66, 67	10 - 25 %	201-159-0
Cyclohexanone	108-94-1	Xn, R-10, 20	10 - 25 %	203-631-1
Chlorinated Polyvinylchloride	-	-	10 - 25 %	-

The full text for all risk phrases are given in Section's 15 & 16.

3. HAZARDS IDENTIFICATION

Human:	Highly flammable, keep away from sources of ignition. Irritating, do not breathe vapour. see also point 11
Environment:	Emission of volatile organic compounds.

4. FIRST AID MEASURES

Inhalation:	Remove patient to fresh air immediately. Keep patient warm and at rest. Seek medical advice immediately.
Ingestion:	Do not induce vomiting because of risk of aspiration into the lungs. Seek immediate medical advice
Contact with Skin:	Dry affected area using paper towels or similar to remove excess Wash affected area immediately with plenty of soap and water Do not use solvents to clean skin Remove contaminated clothing and wash before re-use Seek medical attention if irritation persists.
Contact with Eyes:	In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishers:	Powder, foam, carbonic acid.
Not suitable extinguishers:	Water
Dangerous decomposition products:	Hydrochloric acid
Protection for fire-brigade:	Compressed air equipment

6. ACCIDENTAL RELEASE MEASURES

Personal safety precautions:	Remove ignition sources. Take care of sufficient ventilation or wear a suitable respiratory equipment (mask with filter A). Prevent contact with the skin and eyes.
Environment precautions:	Prevent that product goes into drains, soil or open water course.
Cleaning method:	Transfer to a closable vessel (Metal or PE). Clear up with sand or other inert absorbent material.
Other information:	Vapour can form explosive mixture with air.

7. HANDLING AND STORAGE

7.1 Handling:	Keep away from ignition sources. Take care of sufficient ventilation. Do not eat, drink or smoke.
7.2 Storage:	Store in ventilated room. Keep away from ignition sources. Keep container tightly closed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with critical components that need monitoring at the workplace:

Ingredient name	CAS No.	STD	LT EXP 8 Hrs	ST EXP 15 Min
Butanone	78-93-3	OES	200ppm	300ppm
Cyclohexanone	108-94-1	OES	10ppm	20ppm
Tetrahydrofuran	109-99-9	OES	50ppm	100ppm

Ingredient comments: OES = Occupational Exposure Standard

Breathing protection :

Prevent inhalation of the solvents. Use the solvent cement in a well-ventilated room. If the vapour concentration does approach the OES-level, then a suitable respiratory equipment (filter A) must be worn.

Skin protection :

Prevent any contact with the skin as much as possible. The use of safety gloves (PE,P.V.Alcohol) or a barrier cream is advised when there is frequently skin contact.

Eye protection :

Avoid contact with eyes, wear chemical grade safety goggles to prevent any possibility of eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	yellow, thixotropic liquid	
Odour	characteristic	
Boiling stretch	from approx. 67°C	
Flashpoint	-16°C	
Density	20°C	1, g/ml
Vapour Pressure	20°C	200 mbar
Viscosity	20°C	3000-8000 mPa's
Soluble in Water	20°C	not soluble
Spontaneous combustion temperature:	260°C	
Explosion Limits	lower:	1,1 %
	upper:	12,0 %

10. STABILITY AND REACTIVITY

Dangerous decomposition products:	Hydrochloric acid when heated or burnt.
Dangerous Reactions:	With strong oxidation agents.

11. TOXICOLOGICAL INFORMATION

Inhalation	Can cause irritation respiratory system, headache and dullness.
Skin contact	Degreases the skin, can cause redness.
Ingestion	Gripes, see further "inhalation"
Eye contact	Irritating, redness, pain
Long term effects	By prolonged and repeatedly exposure from high concentrations solvents, harmful effects are not excluded.

12. ECOLOGICAL INFORMATION

By normal use emission of volatile organic compounds to the air take place.

For these volatile organic compounds counts:

Biodegradable Yes

13. DISPOSAL CONSIDERATIONS

Waste Remains of solvent cement, if not complete dry, is chemical waste.

14. TRANSPORT INFORMATION

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: 3 Flammable liquids.

Number/Letter: 5c

Kemler Number: 33

UN-Number: 1133

Label: 3

Designation of goods: Adhesives

Maritime transport IMDG/GGVSea:

IMDG/GGVSea Class: 3

UN Number: 1133

Packaging group: III

EMS Number: 3-05

MFAG: 330

Marine pollutant: No

Correct technical name: Adhesives

Remarks: 9001 with packing provision PP1.

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3

UN/ID Number: 1133

Packaging group: III

Correct technical name: Adhesives

Remarks: Suitable UN approved container necessary.

15. REGULATORY INFORMATION

Designation according to EC guidelines:

The product has been classified and labeled in accordance with EC Directives / Chemicals (Hazard, Information and Packaging for Supply) (CHIP) Regulations.

Class (symbol): F Highly flammable, Xi Irritating

R-phrases:

R 10 Flammable

R 11 Highly flammable

R 19 May form explosive peroxides

R 20 Harmful by inhalation

R 36/37 Irritating to eyes and respiratory system

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drowsiness and dizziness

S-phrases:

S 2 Keep out of reach of children.

S 9 Keep container in well ventilated place.

S 16 Keep away from sources of ignition - no smoking

S 24/25 Avoid contact with skin and eyes.

S 51 Use only in well-ventilated areas.

National regulations

Classification according to VbF: A I

Technical instructions (air): This classification is only relevant for Germany and Austria.

Class Share in %

III 69.9

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

16. OTHER INFORMATION

User notes:

This product should only be used as directed by Durapipe UK.

Information sources:

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

Revision comments:

This safety data sheet supercedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Durapipe UK.

Revision date:

20.10.2002

R phrases in full:

R10 Flammable, R11 Highly flammable, R19 May form explosive peroxides, R20 Harmful by inhalation, R36/37 Irritating to eyes and respiratory system, R66 Repeated exposure may cause skin dryness or cracking, R67 Vapours may cause drowsiness and dizziness.