

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

Product details

Trade name: Durapipe ABS Solvent Cement
Article number: 0.5 Litre tins: 03 461 395. 1.0 Litre tins 03 461 396
Application of the substance / the preparation: Adhesives
Manufacturer/Supplier: Durapipe UK
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2. CHEMICAL COMPOSITION

	CAS No.	Classification	Content	EC No.
Methylethylketone	78-93-3	F Xi R-11, 36, 66, 67	50 - 100 %	201-159-0
ABS resin	-	-	10 - 25 %	-

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

3. HAZARDS IDENTIFICATION

Hazard designation: Xi Irritant

Information pertaining to particular dangers for man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Has a narcotic effect.

R 36 Irritating to eyes.

R 67 Vapours may cause drowsiness and dizziness.

Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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 extinguishing agents; CO₂, extinguishing powder or water jet. Fight larger fires with water jet. Foam

Protective equipment: Do not inhale explosion gases or combustion gases.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Use breathing protection against the effects of fumes/dust/aerosol.

Wear protective clothing.

Measures for environmental protection: No special measures required.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Send for recovery or disposal in suitable containers.

7. HANDLING AND STORAGE

Handling

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Ensure that suitable extractors are available on processing machines

Take note of emission threshold.

Use solvent-proof equipment.

Keep away from children

Keep eye wash bottles available on working place.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect from heat.

Flammable mixtures may be formed in empty containers.

Storage

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Storage class

Class according to regulation on inflammable liquids: A I

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with critical values that require monitoring at the workplace:

Ingredient name	CAS No.	STD	LT EXP 8 Hrs	ST EXP 15 Min
Butanone	78-93-3	OES	200ppm	300ppm

Ingredient comments: OES = Occupational Exposure Standard

Additional information: Based on information valid at the time of writing.

Personal protective equipment

General protective and hygienic measures

Keep away from food, drink and animal feed-stuff.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid close or long term contact with the skin.

Avoid contact with the eyes.

Breathing equipment: Use breathing protection in case of insufficient ventilation.

Recommended filter device for short term use: Filter A

Protection of hands:

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves Natural rubber, NR

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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

Body protection: Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

General Information

Form:	Liquid
Colour:	Grey
Smell:	Characteristic
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	80°C
Flash point:	-1°C
Ignition temperature:	514.0°C
Self-inflammability:	Product is not self igniting.
Danger of explosion:	Product is not explosive.
Critical values for explosion:	
Lower:	1.8 Vol %
Upper:	11.5 Vol %
Vapour pressure at 20°C:	105.0 hPa
Density at 20°C:	0.864 g/cm ³
Solubility in / Miscibility with Water:	Not miscible or difficult to mix
Viscosity: dynamic at 20°C:	1000 mPas
Solvent content:	
Organic solvents:	69.9 %
Solids content:	30.1 %

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions Develops readily flammable vapours / fumes

Dangerous products of decomposition: No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

On the skin: No irritant effect.

On the eye: Irritant effect.

Sensitization: No sensitizing effect known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Irritant

12. ECOLOGICAL INFORMATION:

General notes:

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

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. DISPOSAL CONSIDERATIONS

Product:

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to disposers of hazardous waste.

European waste catalogue 08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances

Trade name Durapipe ABS solvent cement

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

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 labelled in accordance with EC Directives / Chemicals (Hazard, Information and Packaging for Supply) (CHIP) Regulations.

Code letter and hazard designation of product: Xi Irritant

Risk phrases:

R 11	Highly flammable
R 36	Irritating to eyes.
R 66	Repeated exposure may cause skin dryness or cracking
R 67	Vapours may cause drowsiness and dizziness.

Safety phrases:

S 2	Keep out of the reach of children.
S 9	Keep container in a well-ventilated place.
S 16	Keep away from sources of ignition - No smoking.
S 36/37	Wear suitable protective clothing and gloves.

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:	R11 Highly flammable, R36 Irritating to eyes, R 66 Repeated exposure may cause skin dryness or cracking, R 67 Vapours may cause drowsiness and dizziness.