



C.O.S.H.H Data Sheet

FloPlast Limited
Castle Road
Eurolink Business Park
Sittingbourne
Kent
Tel: 01795 431731
Sales Office Direct Line: 01795 421422
Fax: 01795 431188
E-mail: sales@floplast.co.uk
Website: www.floplast.co.uk

The information contained within this data sheet has been supplied by the product manufacturer

1. Identification of the Substance

Trade Name: FloPlast solvent cement for PVC
FloPlast Ltd Product Codes: SC125 & SC250

2. Chemical Composition

Ingredients	Cas No.	Symbol	R-phrase	S-phrase	MAC-value	
Tetrahydrofuran (THF)	109-99-9	F Xi	11-19-36/37	16-29-33	100ppm	300mg/m ³
Methylethylketone	78-93-3	F Xj	11-36/37	19-16-25-33	200ppm	590mg/m ³
Cyclohexanone	108-94-4	Xn	10-20	25	50ppm	200mg/m ³

3. Risks

Human:
- Highly flammable, keep away from sources of ignition (R11)
- Irritating to eyes and skin (R36/38)
- see toxicological information

Environment:
- Emission of volatile organic compounds

4. First Aid Measures

Inhalation:
- Remove patient to fresh air, keep the patient at rest, seek medical advice.

Eye Contact:
- Rinse immediately with plenty of water at open eye lid and seek medical advise (S26).

Skin Contact:
- After contact with skin wash with plenty of soap and water (S28). Do not use solvents to clean the skin, after washing moisturize the skin, seek medical attention if the irritation persists.

Ingestion:
- Seek immediate medical attention. Do not induce vomiting due the risk of aspiration to the lungs. If aspiration is suspected obtain immediate medical attention.

5. Fire Fighting Measures

- Vapours are heavier than air and may travel distances to a source of ignition and flashback.
- May form explosive vapour/air mixtures.
- Suitable extinguishers include foam, carbon dioxide or dry agents.
- Dangerous hydrochloric acid decomposition products, do not breath the fumes.
- Protection to fire brigade, compressed air equipment.

Never use water (S43) extinguishers

6. Measures By Accidental Release (Leaks/Spillage)

Personal Safety Precaution:

- Remove ignition sources.
- Take care of sufficient ventilation or wear suitable respiratory equipment (mask with filter S38).
- Prevent contact with skin and eyes.

Environmental Precautions:

- Prevent the product from entering drains, soil or open water course.

Cleaning Method:

- Shut off all sources of ignition and ventilate the area.
- Absorb the spillage in sand or other inert absorbent material.
- Transfer to a closable vessel (metal or PE) by sweeping or shovelling ensuring that non-spark hand tools.

Other Information:

- Vapour can form explosive mixture with air.

7. Handling and Storage

Handling:

- Keep away from heat and sources of ignition.
- Take care of sufficient ventilation (S51).
- Do not breathe vapours/fumes (S23).
- Avoid contact with skin and eyes.
- In use, may form flammable/explosive vapour/air mixture (R18).
- Take precautionary measures against static discharges (S33).
- Do not eat, drink or smoke.

Storage:

- Keep container tightly closed (S7).
- Store above 5°C.
- Do not store above 30°C.
- Stored in ventilated room.
- Keep away from ignition sources.
- Keep in highly flammable material store.

8. Precautions to Control Exposure/ Personal Protection

Respiratory Protection:

- Prevent inhalation of the solvents.
- Use the solvent cement in a well ventilated room.
- With normal use, the MAC – Value will not usually be reached.
- If the vapour concentration does approach the MAC – Value, then suitable respiratory equipment (S38) must be worn.

Skin Protection:

- Prevent any contact with the skin as much as possible by wearing suitable protective gloves (PE.P.V Alcohol) or a barrier cream is advised when there is frequent skin contact.

Eye Protection:

- Avoid contact with eyes, wear suitable goggles or face mask if required.

Constituent Exposure Limits:

Polymers, resin and other additives

Non-hazardous	No exposure limits have been set for these substances.	
Methylethylketone	OES/LTEL 200ppm	OES/STEL 300ppm
Cyclohexanone	OES/LTEL 25ppm	OES/STEL 100ppm
Tetrahydrofuran (TPF)	OES/LTEL 200ppm	OES/STEL 250ppm

9. Physical and Chemical Properties

- Appearance: Colourless liquid, viscous, miscible with most organic solvents
- Odour: As acetone
- Flammable: Highly flammable (R11)
- Boiling Point: From 67°C
- Flash Point: -10.5°C
- Density: 20°C 0.95g/ml
- Vapour Pressure: 20°C 200mbar
- Viscosity: 20°C 2000 – 14000 mPa's
- Soluble in Water: 20°C not soluble
- Spontaneous Combustion temperature: 260°C
- Explosion Limits:
 - Lower: 1.1%
 - Upper: 12.0%
- May form explosive mixtures with air
- Auto-ignition point not known
- Evaporation rate not known

10. Stability and Reactivity

- Dangerous decomposition products: Hydrochloric acid when heated or burnt
- Dangerous reactions: With strong oxidation agents
- In Use: May form flammable/explosive vapour-air mixture (R18)
- Incompatibility: With organic peroxides
- Soluble: Partly soluble with water, gels in water

11. Toxicology Information

Inhalation Toxicity:

- Inhalation of solvents can give rise to irritation of the respiratory system, nausea, headaches, dizziness and dullness (R66).

Skin Toxicity:

- Prolonged skin contact will result in un-greasing/ de-fating of the skin, leading to irritation, redness, and in some cases dermatitis (R66).

Ingestion Toxicity:

- Gripes, see further inhalation.

Oogkontakt:

- Irritating, redness and pain.

Long Term Effects:

- By prolonged and repeatedly exposure from high concentrations solvents, harmful effects are not excluded.

12. Ecological Information

Biodegradability:

- Volatile portion is biodegradable.
- By normal use emission of volatile organic compounds to air take place.
- Dried residue is not readily biodegradable.

13. Waste Disposal

Method

- Remains of solvent cement and or its container must be disposed of as chemical waste.
- Do not empty into drains (S29).
- Disposal should be in accordance with local, state or national legislation.
- In the UK, surplus product should be declared as "Special Waste". Refer to the "Control of Pollution (Special Waste) Regulations 1980 – SI 1709.

14. Transport

Shipping Name: Adhesive, UN1133

UN UN No: 1133 Hazard Class 3.2
Packing Group: II

RID/ADR (Road/rail) ADR UN No 1133 Hazard Class: 3
ADR Item No 3.5°C
Tremcard: 30G30

ICAO/IATA – DGR (Air) ICAO UN No: 1133 Hazard Class: 3.3
ICAO Packaging Group: III

IMDG (Sea) IMDG UN No: 1133 Hazard Class: 3.2
IMDG Page No: 3174- IMDG Pack. Group: III
IMDG EmS: 3-05 IMDG MFAG: 330

Not submit to ADR/VLG: max by inside packing 5 litres and max. by outside packing 45litres. These quantities must be transported in composed packing.

Packing Group III for transport by sea, road or rail by virtue of its high viscosity.

15. Regulatory Information

The COSHH Regulations, Environmental Protection Act and the storage of this product to the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972 all apply in the UK.

The information provided on this Safety Data Sheet has been compiled from knowledge of the individual constituents supplied by the manufacturer and does not constitute a work place risk assessment.

The data provided within this Safety Data Sheet only applies when product is used for proper application(s).

The product is not sold as suitable for other applications/usage which may cause risks not mentioned in this sheet. Do not use for any other application(s) without seeking further advice.

Class (Symbol)

- F Highly Flammable
- X Irritating

R – phrase

- R11 Highly Flammable, keep away from sources of ignition
- R18 In use, may form flammable/ explosive vapour/air mixture
- R36/37 Irritating to eyes and respiratory system
- R38 Irritating to skin
- R66 Repeated exposure may cause skin dryness or cracking
- R67 Vapours may cause drowsiness and dizziness

S – phrase

- S2 Keep out of reach of children
- S7 Keep container tightly closed
- S9 Keep container in well ventilated place
- S16 Keep away from sources of ignition – no smoking
- S23 Do not breath vapour
- S25 Avoid contact with eyes
- S29 Do not empty into drains
- S33 Take precautionary measures against static discharges
- S38 Mask with filter
- S43 Never use water extinguisher
- S51 Use only well ventilated areas

16. Other Information

The details contained herein are based upon the manufacturer's present state of knowledge and experience and are to characterise the product with regard to any possible safety requirements. We do however; pass them on as does the manufacturer without any warranty or property assurances.

It is your duty to secure that any person handling or using this product is provided with the information on this data sheet, even if the material has been purchased to supply to a third party for use at work.

It is an employers duty to tell their employees and others who may be affected, of any hazards described in this Safety Data Sheet and of any precautions, which should be taken.