

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

1. Identification of the Substance

Trade Name: FloPlast Solvent Cement
FloPlast Ltd Product Codes: SC125 & SC250

2. Hazard Identification

Hazard Identification:

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS02 flame

H225: Highly flammable liquid and vapour.



GHS07

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H303: May be harmful if swallowed.

H313: May be harmful in contact with skin.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC



Xi; Irritant

R36: Irritating to eyes



F; Highly Flammable

R11: Highly flammable

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guidelines for preparations of the EU" in the latest valid version. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of solvent.

Has a narcotizing effect.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**
- **Labelling according to Regulations (EC) No 1272/2008**
- **Hazard pictograms**



GHS02



GHS07

- **Single word** Danger
- **Hazard-determining components of labelling:** Void
- **Hazard statements**
Highly flammable liquid and vapour.
May be harmful if swallowed.
May be harmful in contact with skin.
Causes serious eye irritation.
May cause drowsiness or dizziness.
- **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. - NO SMOKING.
Use explosion-proof electrical/ventilating/lighting/equipment.
IF ON SKIN (or hair): Remove /Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Store locked up.
Dispose of contents / container in accordance with local/regional/international guidelines.
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **Code letter and hazards designation of product:**



Xi Irritant
F Highly flammable

- **Risk Phrases**
11 Highly flammable.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.
- **Safety phrases**
9 Keep container in a well-ventilated place.
16 Keep away from sources of ignition. - NO SMOKING.
24/25 Avoid contact with skin and eyes.
26 In case on contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show the container to the medical staff.
51 Use only in well-ventilated areas.

3. Composition / Information on Ingredients

- **Chemical characterization**
- **Description:** Adhesive
- **Dangerous components:**

| Ingredients | CAS No. | EINECS | Symbol | R & S-phrase | Volume |
|------------------------|----------|-----------|---------|--|----------|
| Metthyl ethyl ketone | 78-93-3 | 203-726-8 | Xi F | R36 R11 R66-67 GHS02 H225; GHS07 H319; H336 | 25 – 50% |
| Cyclohexanone | 108-94-1 | 203-631-1 | Xn | R20 R10 GHS02 H226; GHS07 H332 | 10 – 25% |
| Tetrahydrofura | 109-99-9 | 212-828-1 | Xi F | R36/37 R11 GHS02 H225; GHS07; H335 | 10 – 25% |
| N-methyl-3-pyrrolidone | 872-50-4 | 212-828-1 | T Xi | R61; Repr. CAT. 2 R36/36/38 GHS08 H360; GHS07 H315; H319; H335 | ≤ 2.5% |

- **Additional Information:**
For the wording of the listed risk phrase refer to section 16

4. First Aid Measures

- **After Inhalation:** Supply fresh air to the patient; consult a doctor in case of complaint.
- **After Skin Contact:** Generally the product does not irritate the skin. In case of contact wash immediately with plenty of soap and water. **Do not use solvent to clean the skin.**
- **After Eye Contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a Doctor.
- **After Ingestion:** Do not induce vomiting as this may cause aspiration of the lungs; call for medical help immediately.

5. Fire Fighting Measures

- **Suitable Extinguishing Agents:**
Water haze
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
- **Unsuitable Extinguishers For Safety Reasons:**
Water with full jets (S43)
- **Protective Equipment:**
Mount respiratory protective devise. **In case of fire do not breathe fumes.**
- **Additional Information:**
Cool endangered receptacles with water spray
Contain contaminated fire fighting water separately. It must not enter the sewage system.

6. Accidental Release Measures (Leaks/Spillage)

- **Personal Precautions:** Wear protective equipment. Keep unprotected persons away.
- **Environmental Protection:** Prevent seepage into sewage systems, work pits and cellars.
Do not allow to enter sewers/ surface or ground water.
- **Cleaning and Collecting:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated materials as waste according to section 13.
Ensure there is adequate ventilation.

7. Handling and Storage

- **Handling:**
- **Information for safe handling**
Ensure good ventilation /exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level, (Solvent fumes are heavier than air).
- **Information about Fire – and Explosion Protection**
Keep ignition sources away – DO NOT SMOKE.
Protect against electrostatic charges.
- **Storage:**
- **Requirement to be met by storeroom and receptacles;**
Store in a cool location
- **Information about storage in one common storage facility:**
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles

8. Exposure Control/ Personal Protection

- **Additional information about design of technical facilities:**
No further data; see item 7
- **Ingredients with limit values that require monitoring at the workplace:**
78 – 93 – 3 Methyl Ethyl Ketone
WEL Short - term value: 899 mg/m³ - 300ppm
Long - term value: 600 mg/m³ - 200ppm
Sk
108 – 94 – 1 Cyclohexanone
WEL Short - term value: 20ppm
Long - term value: 10ppm
Sk
109 – 99 – 9 Tetrahydrofuran (THF)
WEL Short - term value: 300 mg/m³ - 100ppm
Long - term value: 150 mg/m³ - 100ppm
Sk
872 – 50 -4 N-methyl-2 pyrrolidone
WEL Short - term value: 309 mg/m³ - 75ppm
Long - term value: 103 mg/m³ - 25ppm
Sk
- **Additional information:**
The lists valid during the making were used as a basis
- **Personal Protective Equipment:**
- **General Protective and hygienic measures:**
The usual precautionary measure should be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled or contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory Protection:**
Not required.
Avoid inhalation of solvents.
With normal use, the WEL – Value will not usually be reached.
Only use in well ventilated area's. In the case of insufficient ventilation, if the vapour concentration does approach the WEL – Value, wear suitable respiratory equipment must be worn.
- **Hand Protection:**
Prevent any contact with the skin as much as possible by wearing suitable solvent protective gloves.
The glove material has to be impermeable and resistant to the product / the substance / the preparation.
Due to missing tests no recommendations as to the glove material can be given for the product / the preparation / the chemical mixtures.
Selection of the glove material on consideration of the penetration times, rates of diffusion and degradation.
- **Material of Gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked to the application.

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
PVC or PE gloves.
- **Eye Protection:**
Tightly sealed goggles or face mask.
- **Body Protection:**
Solvent resistant protective clothing.

9. Physical and Chemical Properties

- **General Information:**
Form: Liquid
Colour: Colourless
- **Odour:**
Characteristic
- **Change in Condition:**
Melting Point/ Melting Range: Undetermined
Boiling Point/ Boiling Range: 65°C
- **Flash Point:** < 0°C
- **Ignition Temperature:** 230°C
- **Self Igniting:** Product is not self igniting
- **Danger of Explosion:** Product is not explosive. However, formation of explosive air / vapour Mixtures are possible.
- **Explosion Limits:**
Lower: 1.3 Vol %
Upper: 12.0 Vol %
- **Vapour Pressure at 20°C:** 200 hPa
- **Density at 20°:** 0.92 g/cm³
- **Solubility in/ Miscibility with:**
Water: Not miscible or difficult to mix.
Solids Content: 20.5%

10. Stability and Reactivity

- **Thermal Decomposition/ Conditions to Avoid:** No decomposition if used according to specifications.
- **Materials to avoid:**
- **Dangerous Reactions:** No dangerous reactions known.
- **Dangerous Decompositions Products:** Danger of forming toxic pyrolysis products.

11. Toxicology Information

- **Acute Toxicity:**
- **Primary Irritant Effect:**
- **On Skin:** No irritant effect.
- **On The Eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional Toxicological Information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

12. Ecological Information

- **Additional ecological information:**
- **General Notes:**
Water hazard class 1 (Self-assessments: slightly hazardous for water.
Volatile portion is biodegradable.
By normal use emission of volatile organic compounds to air takes place.
Dried residue is not readily biodegradable.
Do not allow undiluted product or large quantities to reach ground water, water courses or sewage systems).

13. Waste Disposal

- **Product:**
- **Recommendation:**
Remains of solvent cement and or its container must be disposed of as chemical waste and not as household waste. Do not allow product to reach the sewage systems.
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.
- **Un-cleaned packaging**
- **Recommendation:**
Disposal must be made according to Regulations.
Packaging that may not be cleansed are to be disposed of in the same manner as the product.

14. Transport Information

- **Shipping Name:** Adhesives, (UN1133)
- **Land Transport ADR/RID:** (Cross Border)
- **ADR/RID:** 3 (f1) Flammable Liquids
- **Danger Code (Kemler):** 33
- **UN-Number:** 1133
- **Packaging Group:** II
- **Hazard Label:** 3
- **Description of Goods:** 1133 ADHESIVES, special provision 640D
- **Limited Quantities (LQ):** LQ6
- **Transport Category:** 2
- **Tunnel Restrictions Code:** D/E

- **Maritime Transport IMDG:**
- **IMDG Class:** 3
- **UN-Number:** 1133
- **Label:** 3
- **Packaging Group:** II
- **EMS Number:** F – E, S – D
- **Marine Pollutant:** No
- **Proper Shipping Name:** Adhesives

- **Air Transport ICAO – TI and IATA – DGR:**
- **ICAO/ IATA Class:** 3
- **UN/ID Number:** 1133
- **Label:** 3
- **Packaging Group:** II
- **Proper Shipping Name:** Adhesives

15. Regulatory Information

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
- **National Regulations:**
- **Technical instructions (air):**
- **Class share in %**
 - **NK 50 - 100**
- **Waterhazard class:**

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

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.

- **Labelling According to EU Guidelines**

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials

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.

- **Department issuing MSDS:** FloPlast Quality Assurance Department
- **Contact:** Neil Harrison
- **Data compared to the previous version altered.**