

SAFETY DATA SHEET SOLVENT CEMENT SC125 & SC250

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

PRODUCT NAME FloPlast SOLVENT CEMENT
PRODUCT No. SC125 – SC250

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

APPLICATION OF THE SUBSTANCE / PREPERATION ADHESIVE

1.3 DETAILS OF THE SUPPLIER

SUPPLIER	FloPlast LTD CASTLE ROAD EUROLINK BUSINESS PARK SITTINGBOURNE KENT ME10 3FP 01795 431731 technical@floplast.co.uk	MANUFACTURED FOR FloPlast LTD BY:	BISON INTERNATIONAL BV NL-4462 EW Goes PO BOX 160 NL-4462 AD Goes NETHERLANDS +31 88 3235700 (24 HOUR)
		EMERGENCY TELE:	

EMERGENCY TELE: 01795 431731 (08:00HRS – 17:30HRS)

SECTION 2: HAZARD IDENTIFICATION

CLASIFICATION OF SUBSTANCES

2.1 CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008



GHS02

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 LABEL ELEMENTS

Labelling according to Regulation (EC) No1272/2008

The product is classified and labelled according to the CLP regulations

Hazard Pictograms



GHS02



GHS07

Signal Word: Danger

Hazard-determining components of labelling: butanone

Hazard Statements:

H225 Highly flammable liquid vapour.

H319 Cause serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary Statements:

P101 If medical advice is needed, have product container or label to hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing vapours.

P370+P378 In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Labelling of Packages where the contents do not exceed 125 ml

Hazard pictograms



GH02



GHS07

Signal Word: Danger

Hazard-determining components of labelling: butanone

Hazard Statements:

H336 May cause drowsiness or dizziness.

Precautionary Statements:

P101 If medical advice is needed, have product container or label to hand.

P102 Keep out of reach of children.

P261 Avoid breathing vapours.

P501 Dispose of contents/container in accordance with national regulations.

2.3 OTHER HAZARDS

Results of PBT and vPvB assessment.

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 MIXTURES

Description: Adhesive

Dangerous Components:

Dangerous components:		
CAS: 78-93-3 EINECS: 201-159-0	 Flam. Liq. 2, H225	 Eye Irrit. 2, H319; STOT SE 3, H336
		50-100%

Additional information: For wording of the listed hazards phrases refer to Section 16.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

- General information:** No special measures required.
- After inhalation:** Supply fresh air; consult doctor in case of complaints.
No special measures required.
- After skin contact:** Generally the product does not irritate the skin.
- After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:** If symptoms persist, consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing agents:

- Water haze.
- Alcohol resistant foam.
- Fire-extinguishing powder
- Carbon dioxide.

For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

5.3 ADVICE FOR FIREFIGHTERS

Protective equipment: Mount respiratory protective device.

Additional Information:

- Cool endangered receptacles with water spray.
- Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective equipment.

Keep unprotected persons away

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow to enter sewers/ surface or ground water.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Send for recovery or disposal in suitable receptacles.
- Ensure adequate ventilation.

6.4 REFERENCE TO OTHER SECTIONS

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS OF SAFE HANDLING

- Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- Ensure good ventilation/exhaustion at the workplace
- Prevent formation of aerosols.
- Information about fire – and explosion protection:**
- Keep ignition sources away - Do not smoke.
- Protect against electrostatic charges.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPTABILITIES

Requirements to be met by storerooms and receptacles:	Store in a cool location.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep container tightly sealed. Store in cool, dry conditions in well sealed receptacles.

7.3 SPECIFIC END USE(S)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

8.1 CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace: 78-93-3 methyl ethyl ketone

Name	STD	Short Term		Long Term	
78-93-3 butanone	WEL (UK)	300ppm (BMGV)	899 mg/m ³ (Sk)	200ppm (BMGV)	600 mg/m ³ (Sk)

DNEL's

Name: 78-93-3 butanone

Oral	Consumer, oral, long-term exposure	31 mg/kg bw/day
Dermal	Consumer, dermal, long-term exposition	412 mg/kg bw/day
Inhalative	Consumer, inhalation, long-term exposition	106 mg,m ³

PNEC's

Name: 78-93-3 butanone

Fresh Water	55.8 mg/l
Marine Water	55.8 mg/l
Soil	22.5 mg/l

Ingredients with biological limit values

Name: 78-93-3 butanone

BMVG	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one
------	---

Additional information: The list valid during the making were used as a basis.

8.2 EXPOSURE CONTROLS**Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases, fumes or aerosol.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Respiratory protection: Use suitable respiratory protective device 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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

Butyl rubber, BR

Recommended thickness of material: > 0.7 mm

Penetration time of glove material

For the mixture of chemicals mentioned below the penetration time has to be at least 120 minutes (Permeation according to EN 374 Part 3: Level 4)

Eye protection:

Tightly sealed goggles

Body protection:

Solvent resistant protective clothing

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES****General Information****Appearance:**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Odour Threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/ Melting range:	Undetermined.
Boiling point/Boiling range:	79 – 80.5°C
Flash point:	-9°C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	514°C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures is possible.
Explosion limits:	
Lower:	1.8 Vol %
Upper:	11.5 Vol %
Vapour pressure at 20°C:	105 hPa
Density at 20°C:	0.936 – 0.938 g/cm ³
Relative density:	Not determined.
Vapour Density:	Not determined.
Evaporation rate:	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic at 20°C:	1200mPas
Kinematic:	Not determined.

Solvent Content

Organic solvents:	79.8%
Water:	0.0%
Solids Content:	2.2%

9.2 OTHER INFORMATION

All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture.

SECTION 10: STABILITY AND REACTIVITY**10.1 REACTIVITY**

No further relevant information available.

10.2 CHEMICAL STABILITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

10.4 CONDITIONS TO AVOID

No further relevant information available.

10.5 INCOMPATIBLE MATERIALS

No further relevant information available.

10.7 HAZARDOUS DECOMPOSITION PRODUCTS

Danger of forming toxic pyrolysis products.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

Name: 78-93-3 butanone

Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)

Primary irritant effect:**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

Acute effects (acute toxicity, irritation and corrosivity)

Not applicable.

Sensitisation

Not applicable

Repeated dose toxicity

Not applicable

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**Germ cell mutagenicity**

Not applicable

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION**12.1 TOXICITY****12.1 Toxicity****Aquatic toxicity**

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Additional ecological information:**General notes:**

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

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

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 WASTE TREATMENT METHODS****Recommendations**

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

UNCLEANED PACKAGING**Recommendation**

Packaging that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: TRANSPORT INFORMATION**14.1 UN-NUMBER**

ADR, IMDG, IATA: UN1133

14.2 UN PROPER SHIPPING NAME

ADR 1133 ADHESIVES, special provision 640H

IMDG, IATA ADHESIVES

14.3 TRANSPORT HAZARD CLASS (ES)

ADR/AND



Class: 3 (F1) Flammable liquids.

Label; 3

IMDG, IATA

Class: 3 (F1) Flammable liquids.
Label: 3

14.4 PACKAGING GROUP

ADR/ADN, IMDG, IATA III

14.5 ENVIRONMENTAL HAZARDS

Marine Pollutant: No

14.6 SPECIAL PRECAUTIONS FOR USER

Warning: Flammable liquids.

Danger Code (Kemler): -

EMS Number: F-E, S-D

Stowage Category: A

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OR THE MARPOL AND THE IBC CODE

Not applicable.

Transport/Additional information**Quantity limitations**

On passenger aircraft/rail: 60 L
 On cargo aircraft only: 220 L

ADR/ADN

Limited quantities (LQ): 5L
Excepted quantities (EQ): Code: E1
 Maximum net quantity per inner packaging: 30ml
 Maximum net quantity per outer packaging: 1000 ml
Transport category: 3
Tunnel restriction code: D/E

IMDG

Limited quantities (LQ): 5L
Excepted quantities (EQ): Code: E1
 Maximum net quantity per inner packaging: 30ml
 Maximum net quantity per outer packaging: 1000 ml
Remarks: Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2.
UN "Model Regulation": UN1133, ADHESIVES, special provision 640H, 3, III

SECTION 15: REGULATORY INFORMATION**15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE****Directive 2012/18/EU**

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements

5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements

50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3**15.2 CHEMICAL SAFETY ASSESSMENT**

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION**16 OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Classification according to Regulation (EC) No 1272/2008

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Abbreviations and acronyms:

ADR Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effective Level (REACH)

PNEC: Predicted No-Effective Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

This product should be used as directed by BISON INTERNATIONAL BV. For further information consult the product data sheet or contact FloPlast's Technical Department.

The safety data sheet has been compiled using current information supplied by BISON INTERNATIONAL BV and the distributors of their raw materials.

Issued By: Neil Harrison

Department: Quality/Environmental/Health and Safety

Revision Date: 19th June 2019

Revision 6