



SAFETY DATA SHEET

STYCCOBOND F60

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name STYCCOBOND F60
Product number F3673
Internal identification SBF60/18

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Flooring Adhesive
Uses advised against None

1.3. Details of the supplier of the safety data sheet

Supplier F.Ball and Co. Ltd.
Churnetside Business Park,
Station Road,
Cheddleton,
Leek,
Staffordshire. ST13 7RS
Tel: 01538 361633 Mon-Fri 8.30am-5.00pm (Exc Bank Holidays)
Fax: 01538 361622
E.mail: msds@f-ball.co.uk

1.4. Emergency telephone number

Emergency telephone 01538 361633 Mon-Fri 8.30am - 5.00pm (excluding Bank Holidays)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Flam. Liq. 2 - H225

Health hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373

Environmental hazards

Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC)

F; R11. Xn; R48/20/21/22. Xi; R36/38. Repr. Cat. 3 R63. N; R51/53. R43, R67

Human health

Contains a substance with possible risk of harm to the unborn child.

Environmental

Solvent contamination of drains, surface waters and land. VOC emissions to air. Potential fire and explosion hazard.

2.2. Label elements

Pictogram

STYCCOBOND F60



Signal word

Danger

Hazard statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe vapour/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P313 Get medical advice/attention.

Contains

TOLUENE, HEPTANE, HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6)), PHENOLIC RESIN, BUTANONE, ACETONE, METHYLCYCLOHEXANE

Supplementary precautionary statements

- P243 Take precautionary measures against static discharge.
- P264 Wash contaminated skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<p>TOLUENE</p> <p>CAS number: 108-88-3 EC number: 203-625-9</p>	<p>30-60%</p>
<p>Classification</p> <p>Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d Asp. Tox. 1 - H304 STOT SE 3 - H336 STOT RE 2 - H373</p>	<p>Classification (67/548/EEC or 1999/45/EC)</p> <p>F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67</p>

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HEPTANE	10-30%
CAS number: 142-82-5 EC number: 205-563-8 M factor (Acute) = 1 M factor (Chronic) = 1	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R65 Xi;R38 R67 N;R50/53
HEXANE MIXTURE OF ISOMERS (MAX 5% n-HEXANE (203-777-6))	1-10%
CAS number: EC number:	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R65 Xi;R38 R67 N;R51/53
PHENOLIC RESIN	1-10%
CAS number: 9003-35-4 EC number: —	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38. R43.
BUTANONE	1-5%
CAS number: 78-93-3 EC number: 201-159-0	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R66 R67
ACETONE	1-5%
CAS number: 67-64-1 EC number: 200-662-2	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R66 R67

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METHYLCYCLOHEXANE 1-5%	
CAS number: 108-87-2 EC number: 203-624-3	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) F;R11 Xn;R65 Xi;R38 R67 N;R51/53
CYCLOPENTANE 1-5%	
CAS number: 287-92-3 EC number: 206-016-6	
Classification Flam. Liq. 2 - H225 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) F;R11 R52/53
HEXANE-norm <1%	
CAS number: 110-54-3 EC number: 203-777-6	
Classification Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361f Asp. Tox. 1 - H304 STOT SE 3 - H336 STOT RE 2 - H373 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) F;R11 Repr. Cat. 3;R62 Xn;R48/20,R65 Xi;R38 R67 N;R51/53
PENTANE <1%	
CAS number: 109-66-0 EC number: 203-692-4	
Classification Flam. Liq. 2 - H225 Asp. Tox. 1 - H304 STOT SE 3 - H336 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) F+;R12 Xn;R65 R66 R67 N;R51/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments A solution of resins and elastomers in a blend of organic solvents.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from source of contamination.

Inhalation

Move affected person to fresh air at once. Get medical attention.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

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Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea. May cause an asthma-like shortness of breath.

Ingestion

May cause discomfort if swallowed.

Skin contact

Skin irritation. May cause an allergic skin reaction.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

In case of fire toxic gases/vapours may be formed. The product is highly flammable.

Hazardous combustion products

Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Evacuate non-essential personnel from the spill area. No smoking, sparks, flames or other sources of ignition near spillage. Take precautionary measures against static discharge and arcing from electrical equipment. Avoid inhalation of vapours and contact with skin and eyes. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Contain and absorb spillage with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and

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deliver for disposal as hazardous waste.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Vapours may accumulate on the floor and in low-lying areas. Do not use in confined spaces without adequate ventilation and/or respirator. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Stored in tightly closed original container in a cool, dry well ventilated place at a temperature between 5 deg C and 30 deg C. Protect against physical damage and/or friction. Keep away from heat, static or electrical sparks, open flame and direct sunlight. Avoid contact with oxidising agents. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³

Sk

HEPTANE

Long-term exposure limit (8-hour TWA): WEL 500 ppm

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm 600 mg/m³

Short-term exposure limit (15-minute): WEL 300 ppm 899 mg/m³

Sk

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

PENTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1800 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Use explosion-proof general and local exhaust ventilation.

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Personal protection

Always check applicability with your supplier of protective equipment.

Eye/face protection

If there is a risk of splashing, wear chemical resistant goggles or visor approved to BS EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Nitrile gloves to BSEN374 are recommended. Break through times can vary depending on thickness, use and source. Change gloves regularly.

Other skin and body protection

Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Hygiene measures

Provide eyewash station. Remove contaminated clothing and wash the skin thoroughly with soap and water after work. Do not smoke in work area. Good personal hygiene practices should be followed when working with chemicals.

Respiratory protection

In case of inadequate ventilation use a respirator suitable for organic vapours. Consult respirator manufacturer for specific advice.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Viscous liquid.

Colour

Brown.

Odour

Organic solvents.

pH

pH (concentrated solution): Not applicable

Flash point

-18 approx°C CC (Closed cup).

Relative density

0.85-0.89 approx @ @20 degC°C

Viscosity

8000 - 10,000 cP @ 20 degC°C

9.2. Other information

Volatility

74 w/w approx

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

In use may form flammable/explosive vapour-air mixture.

10.4. Conditions to avoid

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Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Oxidising materials.

10.5. Incompatible materials

Materials to avoid

Flammable/combustible materials.

10.6. Hazardous decomposition products

Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

No data recorded.

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

Harmful by inhalation. Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

Ingestion

Irritating. Symptoms following overexposure may include the following: Nausea, vomiting. Stomach pain.

Skin contact

Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain. A single exposure may cause the following adverse effects: Corneal damage.

Acute and chronic health hazards

Contains a substance with possible risk of harm to the unborn child. May cause damage to organs through prolonged or repeated exposure.

Route of entry

Inhalation Skin and/or eye contact

Target organs

Eyes Respiratory system, lungs Skin Reproductive organs

Medical symptoms

Difficulty in breathing. Dryness and/or cracking. Intoxication. Irritation of eyes and mucous membranes. Nausea, vomiting.

Medical considerations

Chronic respiratory and obstructive airway diseases. Skin disorders and allergies. Pre-existing eye problems.

SECTION 12: Ecological Information

Ecotoxicity

Dangerous for the environment. May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Not measured. Do not allow to enter waterways or drains

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Ecological information on ingredients.

HEPTANE

Acute aquatic toxicity

LE(C)₅₀

0.1 < L(E)C50 ≤ 1

M factor (Acute)

1

Chronic aquatic toxicity

M factor (Chronic)

1

12.2. Persistence and degradability

Persistence and degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is insoluble in water and will spread on the water surface. The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Should be disposed of as hazardous waste via a licensed waste operator.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES

Proper shipping name (IMDG) ADHESIVES

Proper shipping name (ICAO) ADHESIVES

Proper shipping name (ADN) ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID subsidiary risk

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ADR/RID label	3
IMDG class	3
IMDG subsidiary risk	
ICAO class/division	3
ICAO subsidiary risk	
Transport labels	

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



Yes.

14.6. Special precautions for user

EmS	F-E, S-D
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

No listing known.

Guidance

Safety Data Sheets for Substances and Preparations.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information**General information**

F.Ball and Company Ltd Technical Datasheet.

Key literature references and sources for data

Health and Safety Executive Guidance Note EH40 (amended annually). Workplace Exposure Limits.

STYCCOBOND F60**Revision comments**

Section 2: update.

Revision date 17/04/2015

Revision 18

Supersedes date 18/07/2013

SDS status Approved.

Risk phrases in full

R11 Highly flammable.

R12 Extremely flammable.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.