



## SAFETY DATA SHEET STYCCOCLEAN SOLVENT

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

#### 1.1. Product identifier

Product name                    STYCCOCLEAN SOLVENT  
Product number                F1973  
Internal identification        SCS/14

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

Identified uses                Cleaning solvent  
Uses advised against        No specific uses advised against are identified.

#### 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 (EC 1272/2008)

Physical hazards                Not Classified  
Health hazards                 Acute Tox. 4 - H332  
Environmental hazards        Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC)    Xn; R20. R52/53

Environmental                 Not established. Product should not be released to ground or surface waters untreated.

#### 2.2. Label elements

##### Pictogram



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<b>Signal word</b>	Warning
<b>Hazard statements</b>	H332 Harmful if inhaled. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P260 Do not breathe vapour/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice/ attention.
<b>Contains</b>	trans-DICHLOROETHYLENE
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>trans-DICHLOROETHYLENE</b>	<b>60-100%</b>
CAS number: 156-60-5	EC number: 205-860-2
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	F;R11 Xn;R20 R52/53
Acute Tox. 4 - H332	
Aquatic Chronic 3 - H412	
<b>1,1,1,3,3-PENTAFLUOROBUTANE</b>	<b>10-30%</b>
CAS number: 406-58-6	EC number: 430-250-1
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	F;R11

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

**Composition comments** Halogenated aliphatic hydrocarbon with small percentage of stabilisers

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	Treat symptomatically.
<b>Inhalation</b>	Get medical attention. Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention immediately.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Remove contaminated clothing. 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** Harmful if inhaled. Vapours may cause headache, fatigue, dizziness and nausea.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

**Eye contact** May cause temporary eye irritation.

### 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 may be formed.

**Hazardous combustion products** Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.

**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. 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** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Provide adequate ventilation. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

### 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. Collect and dispose of spillage as indicated in Section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**                      Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours. Provide adequate ventilation. Container must be kept tightly closed when not in use. In use may form flammable/explosive vapour-air mixture.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions**                      Store in tightly-closed, original container.

#### 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

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

**Personal protection**

Always check applicability with your supplier of protective equipment.

**Eye/face protection**

The following protection should be worn: Chemical splash goggles.

**Hand protection**

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

**Other skin and body protection**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**Hygiene measures**

Wash hands after contact. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

**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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Organic solvents.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.

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<b>Initial boiling point and range</b>	39 - 42°C
<b>Flash point</b>	Will not flash.
<b>Evaporation rate</b>	Not determined.
<b>Evaporation factor</b>	Not determined.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.252 @ 20°C
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not applicable.
<b>Viscosity</b>	0.6 cP @ 25°C
<b>Explosive properties</b>	Not applicable.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not applicable.
<b>Comments</b>	Information given is applicable to the product in its ready-to-use form.

### 9.2. Other information

<b>Other information</b>	None.
<b>Refractive index</b>	Not determined.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not determined.
<b>Volatility</b>	Not determined.
<b>Saturation concentration</b>	Not applicable.
<b>Critical temperature</b>	Not determined.
<b>Volatile organic compound</b>	Not determined.

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**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.

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### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, hazardous reactions will not occur. Will not polymerise.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** Strong alkalis. Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,600.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** No specific test data are available.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

**ATE inhalation (gases ppm)** 6,428.57

**ATE inhalation (vapours mg/l)** 15.71

**ATE inhalation (dusts/mists mg/l)** 2.14

#### Skin corrosion/irritation

**Skin corrosion/irritation** Not determined.

**Animal data** No specific test data are available.

**Human skin model test** No specific test data are available.

**Extreme pH** No specific test data are available.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Not determined.

#### Respiratory sensitisation

**Respiratory sensitisation** Not determined.

#### Skin sensitisation

**Skin sensitisation** Not determined.

#### Carcinogenicity

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<b>Carcinogenicity</b>	Not known.
<b>IARC carcinogenicity</b>	Not listed.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Not determined.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	No specific test data are available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.
<b>General information</b>	
	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Inhalation</b>	
	Harmful if inhaled. Vapours may cause headache, fatigue, dizziness and nausea. Frequent inhalation of vapours may cause respiratory allergy.
<b>Ingestion</b>	
	Unlikely to occur in normal use. Ingestion of small amounts is unlikely to cause a significant reaction. Larger doses may result in irritation to the gastro intestinal tract.
<b>Skin contact</b>	
	Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	
	May cause irritation, soreness and reddening of the eyes
<b>Acute and chronic health hazards</b>	
	Prolonged inhalation of high concentrations may damage respiratory system. Frequent inhalation of vapours may cause respiratory allergy.
<b>Route of entry</b>	
	Inhalation
<b>Target organs</b>	
	Respiratory system, lungs
<b>Medical symptoms</b>	
	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
<b>Medical considerations</b>	
	Chronic respiratory and obstructive airway diseases.

### SECTION 12: Ecological Information

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

#### 12.1. Toxicity

**Toxicity** Harmful to aquatic life with long lasting effects.

**Acute toxicity - fish** Not determined

**Acute toxicity - aquatic invertebrates** Not determined.

**Acute toxicity - aquatic plants** Not determined.

**Acute toxicity - microorganisms** Not determined.

**Acute toxicity - terrestrial** Not determined.

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**Chronic toxicity - fish early life stage** Not determined.

**Short term toxicity - embryo and sac fry stages** Not determined.

**Chronic toxicity - aquatic invertebrates** Not determined.

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

**Phototransformation** Not determined.

**Stability (hydrolysis)** Not determined.

**Biodegradation** Not determined.

**Biological oxygen demand** Not determined.

**Chemical oxygen demand** Not determined.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not applicable.

### 12.4. Mobility in soil

**Mobility** The product has poor water-solubility.

**Adsorption/desorption coefficient** Not determined.

**Henry's law constant** Not determined.

**Surface tension** Not determined.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not Determined

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste is classified as hazardous waste.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.



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UN No. (ADR/RID) 0

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Transport labels

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).

**Guidance** Safety Data Sheets for Substances and Preparations.  
Approved Classification and Labelling Guide (Sixth edition) L131.

**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.

**Revision comments** Revised formulation.

**Revision date** 10/01/2017

**Revision** 14

**Supersedes date** 29/06/2016

**SDS status** Approved.

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### Risk phrases in full

R11 Highly flammable.  
R19 May form explosive peroxides.  
R20 Harmful by inhalation.  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
R36 Irritating to eyes.  
R36/37 Irritating to eyes and respiratory system.  
R36/37/38 Irritating to eyes, respiratory system and skin.  
R40 Limited evidence of a carcinogenic effect.  
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R60 May impair fertility.  
R63 Possible risk of harm to the unborn child.  
R67 Vapours may cause drowsiness and dizziness.

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H332 Harmful if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

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.