

**SAFETY DATA SHEET  
FLAG SOLVENT 13**

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME	FLAG SOLVENT 13		
Application	Cleaning agent		
SUPPLIER	FLAG-SOPREMA UK Ltd Unit 640, The Hub Avenue West Skyline 120 Great Notley Essex. CM77 7AA +44 (0) 845 1948727 +44 (0) 845 1948728 enquiries@flag-soprema.co.uk	MANUFACTURER	Caswell and Company Ltd 6 Princewood Road Earlstrees Industrial Estate Corby, Northants NN17 4AP +44 (0) 1536 464800 +44 (0) 1536 464801 Technical info@caswell-adhesives.co.uk

**2 HAZARDS IDENTIFICATION**

Flammable. Irritating to skin. Harmful by inhalation and in contact with skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed.  
CLASSIFICATION (1999/45) Xn;R20/21, R48/20, R65. Repr. Cat. 3;R63. Xi;R38. R10.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification (67/548)
TOLUENE	203-625-9	108-88-3	10-30%	F;R11 Repr.Cat.3;R63 Xn;R48/20,R65 Xi;R38 R67
XYLENE	215-535-7	1330-20-7	60-100%	R10 Xn;R20/21 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

**4 FIRST-AID MEASURES**

**INHALATION**

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION**

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

**SKIN CONTACT**

Wash the skin immediately with soap and water.

**EYE CONTACT**

Immediately flush with plenty of water or eyewash solution for up to 10 minutes.

**5 FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES**

NOTE! Use air-supplied respirators to protect against gases/fumes.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Solvent vapours may form explosive mixtures with air.

**SPECIFIC HAZARDS**

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

**PROTECTIVE MEASURES IN FIRE**

Use air-supplied respirator during fire fighting. Wear full protective clothing.

**6 ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS**

Do not smoke, use open fire or other sources of ignition. In case of inadequate ventilation, use respiratory protection. Wear protective clothing as described in Section 8 of this safety data sheet.

**ENVIRONMENTAL PRECAUTIONS**

Avoid discharge into water courses or onto the ground.

**FLAG SOLVENT 13**

**SPILL CLEANUP METHODS**

Clean-up personnel should use respiratory and/or liquid contact protection. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours. Do not use in confined spaces without adequate ventilation and/or respirator.

**STORAGE PRECAUTIONS**

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Flammable/combustible - Keep away from oxidisers, heat and flames.

**STORAGE CLASS**

Flammable liquid storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
TOLUENE	WEL	50 ppm(Sk)	191 mg/m3(Sk)	100 ppm(Sk)	384 mg/m3(Sk)	
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**RESPIRATORY EQUIPMENT**

In case of inadequate ventilation use suitable respirator.

**HAND PROTECTION**

Protective gloves should be used if there is a risk of direct contact or splash.

**EYE PROTECTION**

Wear full-face visor or shield.

**SKIN PROTECTION**

Wear apron or protective clothing in case of splashes.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Colourless liquid		
COLOUR	Colourless		
ODOUR	Aromatic.		
VOLATILITY DESCRIPTION	Highly volatile.		
BOILING POINT (°C)	110@760mm Hg	RELATIVE DENSITY	0.867@ 20°C
VAPOUR PRESSURE	22 mm Hg	VOLATILE BY VOL. (%)	100
FLASH POINT (°C)	23	AUTO IGNITION TEMPERATURE (°C)	500

**10 STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid heat, flames and other sources of ignition.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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**11 TOXICOLOGICAL INFORMATION**

**INHALATION**

Vapour from this chemical can be hazardous when inhaled. Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

**INGESTION**

Gastrointestinal symptoms, including upset stomach. Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting.

**SKIN CONTACT**

Harmful in contact with skin. Irritating to skin.

**EYE CONTACT**

Risk of serious damage to eyes.

**HEALTH WARNINGS**

Contact with this chemical can be hazardous.

**ROUTE OF ENTRY**

Inhalation. Skin absorption. Ingestion.

**TARGET ORGANS**

Kidneys Liver

**12 ECOLOGICAL INFORMATION**

LC 50, 96 Hrs, FISH mg/l 6.3

**BIOACCUMULATION**

The product is not bioaccumulating.

**DEGRADABILITY**

Volatile substances are degraded in the atmosphere within a few days.

**13 DISPOSAL CONSIDERATIONS**

**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

**DISPOSAL METHODS**

Contact specialist disposal companies.

**Waste Code**

Hazardous waste

**14 TRANSPORT INFORMATION**



UKRoadClass	3		
ShippingName	FLAMMABLE LIQUID, N.O.S. (XYLENE, TOLUENE)		
UN NUMBER	1993	UKRoadPackGroup	II
ADR Class	3	ADR CLASS	Class 3: Flammable liquids.
ADR Item No	II	HAZARD No. (ADR)	33
ADR LABEL NO.	3	HAZCHEM CODE	3YE
CEPIC TEC(R) NO.	30GF1-I+II, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	II	UN No Sea	1993
Sea Class	3	Sea Packing Group	II
EMS No	F-E, S-E	MFAG	See Guide
Marine Pollutant	No.	UN Air	1993
Air Trans Class	3	Air Packing Group	II

**15 REGULATORY INFORMATION**

**SYMBOLS**

**FLAG SOLVENT 13**



Harmful

CONTAINS

TOLUENE  
XYLENE

RISK PHRASES

R10 Flammable.  
 R38 Irritating to skin.  
 R20/21 Harmful by inhalation and in contact with skin.  
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
 R63 Possible risk of harm to the unborn child.  
 R65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S24 Avoid contact with skin.  
 S51 Use only in well-ventilated areas.  
 S36/37 Wear suitable protective clothing and gloves.  
 S60 This material and its container must be disposed of as hazardous waste.  
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**16 OTHER INFORMATION**

REVISION DATE 28.01.11

REV. NO./REPL. SDS GENERATED 4

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R10 Flammable.  
 R11 Highly flammable.  
 R20/21 Harmful by inhalation and in contact with skin.  
 R38 Irritating to skin.  
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
 R63 Possible risk of harm to the unborn child.  
 R65 Harmful: may cause lung damage if swallowed.  
 R67 Vapours may cause drowsiness and dizziness.

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 a 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.