

# SAFETY DATA SHEET

## A.W.F. FLEXSEAL SPRAY GRADE

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Flexseal Spray Grade
Supplier	A.W.F. SMS Ltd
Address	Unit 1 D Brymau 3 Estate River Lane Saltney Chester CH4 8RQ
Phone Number	01244 - 677833
Fax Number	01244 - 677844

### 2. COMPOSITON/INFORMATION ON INGREDIENTS

CAS No	Health/Class	Risk/(R No )	Content/ %
Xylene mixture of isomers 1330-20-7	Xn	20/21-38	10-25
White Spirit (contains <0.1% benzene 64742-82-1	Xn	65	10-25
Bitumen 64742-93-4	None	None	25-50
Fillers and viscosity control compounds. None	None	None	1-5
Butane 106-97-8	None	None	10-25
Propane 74-98-6	None	None	10-25

### 3. HAZARDS IDENTIFICATION

Skin Contact:- Slight skin irritant. Prolonged or repeated contact can cause dermatitis.

Eye Contact:- Irritating to eyes.

Ingestion:- Accidental ingestion is an unlikely event.

Inhalation:- High levels of vapour/mist may cause dizziness. Can cause irritation of the respiratory tract.

### 4. FIRST AID MEASURES (ACTION)

Skin Contact Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. If in doubt, seek medical advice.

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Eye Contact. Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

Ingestion: If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Inhalation: Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice

## 5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol resistant foam; CO<sub>2</sub>; powder; water spraymist

Do not use: Water jet.

Special fire fighting procedures: Fire exposed containers should be sprayed with water to lessen risk of explosion.

Unusual fire and explosion hazards: Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required. Run off from fire must not enter drains.

## 6. ACCIDENTAL RELEASE MEASURES

Procedures for leaks or spillage: Exclude sources of ignition and ventilate the area. Exclude nonessential personnel. Avoid breathing vapours. Refer to protective measures listed in Section 7 & 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

## 7. HANDLING AND STORAGE

Handling: Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure Limits. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of use and storage.

Storage: Store below 50 Deg.C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Observe the label precautions. Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ingredient name	OES/MEL	8hr TWA	15min STEL
Xylene mixture of isomers	OES	100ppm	150ppm (Sk)
White Spirit	OES	100ppm	125ppm

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Bitumen (fume)	DES	5Mg/M3	10mg/M3(Sup)
Butane	OES	600ppm	75Oppm

Engineering measures: Provide adequate ventilation to maintain the flammable vapour concentration well below the lower explosive limit (LEL) and ensure the airborne concentration of substances to which an OES has been assigned is below that OES (Occupational Exposure Standard).

Respiratory protection: Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and measures cannot reasonably be improved.

Hand protection: When skin exposure may occur, advice may be sought from the glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection: Eye protection designed to protect against Liquid splashes should be worn.

Skin protection: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or (Sk) denotes product can be absorbed through skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol.
Appearance:	Black
Odour:	Hydrocarbon
pH:	N/A
Boiling point/boiling range:	137 Deg.C
Melting point/melting range:	<0 Deg.C
Flash point:	-40 Deg C
Flammability:	LEL 0.8(% vol in air @ 25 Deg.C. UEL 9.0
Autoflammability	>250 Deg.C
Explosive properties:	None
oxidising properties:	None
Can pressure:	2.41 bar.
Relative density:	N/A
VOC content:	42 g/100ml
Solubility-Water:	Insoluble
Solubility-	Solvent Soluble in aliphatic hydrocarbons.

## 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions to avoid: Avoid naked flames, red hot surfaces, and other high temp. sources that may induce thermal decomposition Incompatibility

Materials to avoid: Oxidising agents, strong acids, strong alkalis.

Hazardous decomposition products: Oxides of carbon, sulphur and nitrogen; particulate matter and Polycyclic Aromatic Hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Exposure to organic solvent vapours  
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may result in adverse health effects on the renal and central nervous systems. Symptoms can include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Xylene vapour and liquid is irritating to the eyes. Liquid is a skin irritant; prolonged contact may cause dermatitis. High vapour concentrations irritate the respiratory tract, are anaesthetic, may cause drowsiness, nausea, dizziness and eventually unconsciousness. Ingestion of Xylene may cause narcosis, vomiting and unconsciousness. White Spirit vapour in high concentrations can cause intoxication, headache, nausea, and in extreme cases, coma.

Ingestion may cause irritation of mouth, throat and digestive tract causing vomiting and abdominal pain. Significant absorption can cause sleepiness and pulmonary oedema. Bitumen in this product contains aromatic oils in which Polycyclic Aromatic Hydrocarbons (PCAs) will be present, but there is no evidence to indicate that long term exposure to bitumen fume is harmful. However, all unnecessary exposure should be reduced as much as possible.

Ingredients

Xylene, mixture of isomers

White Spirit

LD50(Animat/oral

4.39/Kg(Rat)

>5g/Kg(Rat)

## 12. ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains, water courses or be deposited where it can affect ground or surface waters. Xylene is likely to bio-accumulate, but with short retention with the order of a week or less. It is likely to be moderately toxic to aquatic organisms and it will biodegrade although it will float on water and evaporate slowly. White Spirit has a high potential to bio-accumulate is practically non-toxic to aquatic organisms and has good bio-degradability.

## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act. Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

## 14. TRANSPORT INFORMATION

CCCN: 3403 99 10

UN no.: 1950

IMDG: 2102

Class: 2

ICAO/IATA 2, 1, 6, 1

RID/ADR: 2, 5 'TF

## 15. REGULATORY INFORMATION

Hazard symbol/symbols;

EXTREMELY FLAMMABLE

HARMFUL

Risk phrases:

20121: Harmful by inhalation and in contact with skin.

Safety phrases:

2: Keep out of the reach of children.

23: Do not breathe vapour/spray.

25: Avoid contact with eyes.

51: Use only in well ventilated areas.

Regulatory references: The Chemicals (Hazard Information and Packaging) Regulations 1994 and subsequent amendments.

## 16. OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier. Further information and advice can be found in the following publications: The Control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657) Storage of Packaged Dangerous Substances, HS(G)71 The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839) The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972 (SI 1972:917) Storage of Flammable Liquids in Containers, HS(G)51

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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