

# SAFETY DATA SHEET

## A.W.F. FLEXSEAL CLEARSHIELD

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Flexseal Clearshield
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

Substance/preparation  
NAPHTHA (PETROLEUM), HYDROSULFURISED HEAVY

CAS number	% by weight	EC number	Classification
064742-82-1	80 - 90%	265-185-4	R10, Xn; R65, R66, N; R51/53

STODDARD SOLVENT; LOW BOILING POINT NAPHTHA - UNSPECIFIED. <0.1%

Benzene

CAS number	% by weight	EC number	Classification
008052-41-3	5 - 10%	232-489-3	R10, Xn; R65, N; R51/53

See section 16 for the full text of the R-phrases declared above  
Occupational exposure limits, if available, are listed in section 8.

### 3. HAZARDS IDENTIFICATION

The substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification R10, R66, N; R51/53

Human health hazards Flammable. Repeated exposure may cause skin dryness or cracking.

Environmental hazards Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

See section 11 for more detailed information on health effects and symptoms.

### 4. FIRST AID MEASURES (ACTION)

Inhalation If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

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Skin contact Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation occurs.

Eye contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

## 5. FIRE-FIGHTING MEASURES

Extinguishing media In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>. Do not use water jet.

Special exposure hazards Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products In a fire, the following may be released: carbon oxides (CO, CO<sub>2</sub>)

Protection of fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Immediately contact emergency personnel. Eliminate all ignition sources. Use suitable protective equipment (section 8).

Environmental precautions Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Methods for cleaning up If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

## 7. HANDLING AND STORAGE

Handling Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Keep away from heat, sparks and flame. Wash thoroughly after handling.

Storage Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store in original sealed containers at temperatures between 5° and 30°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	Occupational exposure limits
NAPHTHA (PETROLEUM),	EH40-WEL (United Kingdom (UK), 2005
HYDROSULFURISED HEAVY )	TWA: 600 mg/m <sup>3</sup> 8 hours

Occupational exposure controls

Respiratory protection Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapour cartridge. Respirator

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selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 4-8 hours (breakthrough time): nitrile rubber , polyvinyl alcohol (PVA) , Viton .

Eye protection Safety glasses. Chemical splash goggles. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

Skin protection Protective clothing. Repeated skin exposure can produce local skin destruction or dermatitis.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid. (Clear.)	Odour	Aromatic.
pH	Not applicable.	Boiling point	>150°C(302°F)
Flash point	Closed cup: >38°C (100.4°F).	Flammability	Flammable.
Explosion limits.	Lower: 0.9% Upper: Less than or equal to 13%		
Oxidising properties	Not available.		
Vapour pressure	Not available	Relative density	0.8 g/cm <sup>3</sup>
Solubility	Insoluble in cold water.	Vapour density	Not available.
Evaporation rate	Not available.	Octanol/water	Not available.
(butyl acetate = 1)		partition coefficient	
Auto-ignition temperature	>250°C (482°F)	Melting point	May start to solidify at <-20°C (-4°F) based on data for: NAPHTHA.

## 10. STABILITY AND REACTIVITY

Stability The product is stable.

Conditions to avoid Combustible when exposed to heat or flame.

Materials to avoid Strong oxidising materials strong acids

Hazardous decomposition products In a fire, the following may be released:  
carbon oxides (CO, CO<sub>2</sub>)

## 11. TOXICOLOGICAL INFORMATION

### Potential acute health effects

Inhalation No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

Skin contact Slightly irritating to the skin.

Eye contact No known significant effects or critical hazards.

### Acute toxicity

Ingredient name	Test	Result	Route	Species
STODDARD SOLVENT; LOW BOILING POINT	LD50	5000 mg/kg	Oral	Rat
NAPHTHA - UNSPECIFIED. <0.1% Benzene				

### Potential chronic health effects

Carcinogenicity No carcinogenic effect.

Mutagenicity No mutagenic effect.

Reproductive toxicity No known significant effects or critical hazards.

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Over-exposure signs/symptoms

Inhalation Can cause dizziness, light-headedness, headache, nausea and blurred vision.

Ingestion No known significant effects or critical hazards.

Skin Repeated skin exposure can produce local skin destruction or dermatitis.

## 12. ECOLOGICAL INFORMATION

Persistence/degradability

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
AWF Flexseal Clearshield	-	-	Not readily

Bioaccumulative potential

This product is not expected to bioaccumulate through food chains in the environment.

Mobility Do not allow to enter drains or watercourses.

Other adverse effects Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

Methods of disposal The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Hazardous waste The classification of the product may meet the criteria for a hazardous waste.

## 14. TRANSPORT INFORMATION

International transport regulations

UN number 1263

Proper shipping name Paint related material

Class 3

Packing group III

Additional information Emergency schedules (EmS) F-E,S-E

## 15. REGULATORY INFORMATION

EU regulations

Hazard symbol/symbols No products were found.

Risk phrases R10- Flammable. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65- Harmful: may cause lung damage if swallowed. R66- Repeated exposure may cause skin dryness or cracking.

Safety phrases S24- Avoid contact with skin. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of soap and water. S29- Do not empty into

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drains.S38- In case of insufficient ventilation, wear suitable respiratory equipment.  
S46- If swallowed, seek medical advice immediately and show this container or label.  
Product use Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.

- Consumer applications.

Other EU regulations

EU statistical classification 32089019  
(Tariff Code)

National regulations

United States

SARA 313 toxic chemical notification and release reporting Dangerous for the environment

Germany Hazard class for water 2

## 16.OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 - Europe

R10- Flammable.R65- Harmful: may cause lung damage if swallowed.R66- Repeated exposure may cause skin dryness or cracking.R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - Europe

Xn - Harmful

N - Dangerous for the environment.

Further information

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC Canada - This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

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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