

SAFETY DATA SHEET

A.W.F. FUNGAL WASH

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	A.W.F. Fungal Wash
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. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation			
1,3,5-TRIS(2-HYDROXYETHYL)			
CAS number	% by weight	EC number	Classification
004719-04-4	1 - 5%		Xn; R22, R43
HEXAHYDRO-1,3,5-TRIAZINE			
SODIUM HYDROXIDE			
CAS number	% by weight	EC number	Classification
001310-73-2	<1%	215-185-5	C; R35
BUT-2-YNE-1,4-DIOL			
CAS number	% by weight	EC number	Classification
000110-65-6	<0.5%	203-788-6	T; R23/25, Xn; R21, R48/22, C; R34, R43

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 preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification Xi; R36/38, R43

Human health hazards Irritating to eyes and skin. May cause sensitisation by skin contact.

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

4. FIRST AID MEASURES

Inhalation

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

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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.

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 immediately.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media Non-combustible. Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards No specific hazard.

Hazardous thermal decomposition products

In a fire, the following may be released: carbon oxides (CO, CO²)

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. 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), scoop up material and place in a sealable, liquid-proof 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. Wash thoroughly after handling.

Storage Keep container tightly closed. Store in original sealed containers at temperatures between 5° and 30°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name

SODIUM HYDROXIDE

Occupational exposure limits

EH40-WEL (United Kingdom (UK), 2005).

TWA: 2 mg/m³ 15 minutes

Respiratory protection

A respirator is not needed under normal and intended conditions of product use.

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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. >8 hours (breakthrough time): neoprene or PVC gloves.

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.

Skin protection

Protective clothing. Repeated or prolonged contact with irritants may cause dermatitis.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid. (Emulsion.)	Odour	Faint odour.
pH	7 [Neutral.]	Boiling point	>100°C (212°F)
Flash point	Not available.	Flammability	Non-flammable.
Explosion limits	Not available	Oxidising properties	Not available.
Vapour pressure	Not available.	Relative density	1 g/cm ³
Solubility	Easily soluble in cold water, hot water, methanol, acetone.		
Vapour density	Not available.	Octanol/water partition coefficient	Not available.
Evaporation rate	Not available.		
(butyl acetate = 1)			
Auto-ignition temperature	Not available.	Melting point	>0°C (32°F)

10. STABILITY AND REACTIVITY

Stability The product is stable.
 Conditions to avoid None identified.
 Materials to avoid None identified.
 Hazardous decomposition products In a fire, the following may be released: carbon oxides (CO, CO²)

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 Irritating to skin.

Eye contact Irritating to eyes.

Acute toxicity

Ingredient name

1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-

Test	Result	Route	Species
LD50	763 mg/kg	Oral	Rat

TRIAZINE

Test	Result	Route	Species
LD50	1990 mg/kg	Oral	Mouse

BUT-2-YNE-1,4-DIOL

Test	Result	Route	Species
LD50	105 mg/kg	Oral	Rat

LD50	105 mg/kg	Oral	Mouse
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Potential chronic health effects

Carcinogenicity No carcinogenic effect.

Mutagenicity No mutagenic effect.

Reproductive toxicity No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards

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

Additional information

No components of this material are listed as carcinogens by OSHA, NTP, ACGIH or IARC.

12. ECOLOGICAL INFORMATION

Persistence/degradability

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
AWF Fungal Wash	-	-	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 No known significant effects or critical hazards.

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

Additional information This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

15. REGULATORY INFORMATION

EU regulations

Hazard symbol/symbols Irritant

Risk phrases R36/38- Irritating to eyes and skin.

Safety phrases

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. S36/37- Wear suitable protective clothing and gloves.

S46- If swallowed, seek medical advice immediately and show this container or label.

Contains 1,3,5-TRIS(2-HYDROXYETHYL)HEXAHYDRO-1,3,5-TRIAZINE

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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 38082050

(Tariff Code)

National regulations

United States

SARA 313 toxic chemical notification and release reporting No products were found.

Germany Hazard class for water 1

16. OTHER INFORMATION

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

R23/25- Toxic by inhalation and if swallowed.R21- Harmful in contact with skin.R22-

Harmful if swallowed.R48/22- Harmful: danger of serious damage to health by

prolonged exposure if swallowed.R34- Causes burns.R35- Causes severe

burns.R43- May cause sensitisation by skin contact.

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

T - Toxic

C - Corrosive

Xn - Harmful

Xi - Irritant

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.

Date of issue 22/03/2207