

# SAFETY DATA SHEET

## A.W.F. SUPERQUARTZ ACTIVATOR

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	A.W.F. Superquartz Activator
Supplier	A.W.F. SMS Ltd
Address	Unit I 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

2-PIPERAZIN-1-YLETHYLAMINE

CAS number	% by weight	EC number	Classification
000140-31-8	50 - 60%	205-411-0	Xn; R21/22, C; R34, R43, R52/53

NONYLPHENOL

CAS number	% by weight	EC number	Classification
025154-52-3	40 - 50%	246-672-0	Repr. Cat. 3; R62, R63, Xn; R22, C; R34, N; R50/53

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

Classification Repr. Cat. 3; R62, R63, Xn; R21/22, C; R34, R43, N; R50/53

Human health hazards Harmful in contact with skin and if swallowed. Causes burns. May cause sensitisation by skin contact. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

Environmental hazards Very 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

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.

continued on page 2

continued from page 1

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

Special exposure hazards No specific hazard.

Hazardous thermal decomposition products

In a fire, the following may be released: carbon oxides (CO, CO<sub>2</sub>) nitrogen oxides (NO, NO<sub>2</sub> etc.)

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 Do not get in eyes, on skin or on clothing. Keep container closed. 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**

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

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): Butyl gloves, neoprene, nitrile rubber 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. (Clear viscous liquid.)	Odour	Ammoniacal.
pH	Alkaline	Boiling point	>235°C (455°F)
Flash point	Closed cup: >132°C (269.6°F).	Flammability	Non-flammable.
Explosion limits	Not available.	Oxidising properties	Not available.
Vapour pressure	Not available.	Relative density	0.96 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	>350°C (662°F)	Melting point	>-18°C (-0.4°F)

## 10. STABILITY AND REACTIVITY

Handling Do not get in eyes, on skin or on clothing. Keep container closed. Wash thoroughly after handling.

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

## 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	Harmful in contact with skin. Corrosive to the skin. May cause sensitisation by skin contact.
Eye contact	Corrosive to eyes.

### Acute toxicity

Ingredient name	Test	Result	Route	Species
2-PIPERAZIN-1-YLETHYLAMINE	LD50	>2000 mg/kg	Oral	Rat
NONYLPHENOL	LD50	1620 mg/kg	Oral	Rat
	LD50	1000 mg/kg	Dermal	Rabbit

### Potential chronic health effects

#### NONYLPHENOL

Carcinogenic effects	Mutagenic effects	Developmental toxicity	Impairs fertility
-	-	Repr. Cat. 3; R63	Repr. Cat. 3; R62

Carcinogenicity No carcinogenic effect.

Mutagenicity No mutagenic effect.

Reproductive toxicity Contains material which may cause birth defects based, on animal data.

### Over-exposure signs/symptoms

Inhalation	Corrosive to the respiratory system.
Ingestion	Harmful if swallowed. May cause burns to mouth, throat and stomach.
Inhalation	Corrosive to the respiratory system.

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

## 12. ECOLOGICAL INFORMATION

Ingredient name	Species	Period	Result
NONYLPHENOL	Minnows (LC50)	96 hours	0.128 mg/l
	Daphnia (EC50)	48 hours	0.19 mg/l

continued on page 4

continued from page 3

Persistence/degradability

Ingredient name	Aquatic half-life	Photolysis	Biodegradability
AWF Superquartz Activator	-	-	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 Very 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 2735

Proper shipping name Polyamines, Liquid, Corrosive, n.o.s. (Polyamine mixture)

Class 8 Packing group III

Additional information Emergency schedules (EmS) F-A,S-B

### 15. REGULATORY INFORMATION

EU regulations

Hazard symbol/symbols Corrosive, Dangerous for the environment.

Risk phrases

R62- Possible risk of impaired fertility. R63- Possible risk of harm to the unborn child.

R21/22- Harmful in contact with skin and if swallowed. R34- Causes burns. R43- May cause sensitisation by skin contact. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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 drains. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains

2-PIPERAZIN-1-YLETHYLAMINE 205-411-0

NONYLPHENOL 246-672-0

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.

continued on page 5

continued from page 4

Other EU regulations

EU statistical classification 29212900

(Tariff Code)

National regulations

United States

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

Germany Hazard class for water 3

## **16. OTHER INFORMATION**

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

R62- Possible risk of impaired fertility.R63- Possible risk of harm to the unborn child.R21/22- Harmful in contact with skin and if swallowed.R22- Harmful if swallowed.R34- Causes burns.R43- May cause sensitisation by skin contact.R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.R52/53- Harmful 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

Repr. Cat.3 - Toxic to reproduction Category 3

C - Corrosive

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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