

SAFETY DATA SHEET

A.W.F. SUPERQUARTZ RAPID BASE

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	A.W.F. Superquartz Rapid Resin A Base
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

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT} 50-70%
 EINECS: 500-033-5 CAS: 25068-38-6 [Xi] R36/38; [Sens.] R43; [N] R51/53
 BISPHENOL F EPICHLOROHYDRIN RESIN WITH NUMBER AVERAGE 10-30%
 CAS: 28064-14-4 [Xi] R36/38; [Sens.] R43; [N] R51/53
 ALIPHATIC GLYCIDYLETHER 10-30%
 CAS: 68081-84-5 [Xi] R36/38; [Sens.] R43; [N] R51/53

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin. May cause sensitisation by skin contact.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 Other hazards: Not classified as flammable but will burn.

4. FIRST AID MEASURES

Skin contact: There may be irritation and redness at the site of contact.
 Eye contact: There may be irritation and redness.
 Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
 Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
 Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
 Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Water spray. Dry chemical powder. Foam or carbon dioxide extinguishers Use water spray to cool containers.

Exposure hazards: Carbon monoxide may evolve if incomplete combustion occurs.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. If the material enters drains it should be pumped out into an open vessel, emergency services should be called to assist in this operation.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Put leaking containers in a labelled drum or overdrum. Refer to section 13 of SDS for suitable method of disposal

7. HANDLING AND STORAGE

Handling requirements:

Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions:

Store in cool, well ventilated area. Keep container tightly closed. Store at ambient temperature.

Avoid incompatible materials and conditions - see section 10 of SDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not required under normal conditions in a well-ventilated workplace. In poorly ventilated areas use an approved organic vapour cartridge mask.

Hand protection: Nitrile gloves. Butyl gloves.

Eye protection: Goggles giving complete protection to eyes and eyewash bottle with clean water.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Odour: Perceptible odour

Solubility in water: 11.6 mg/l @ 20°C

Boiling point/range°C: 150°C

Part.coeff. n-octanol/water: Not determined

Vapour pressure: <0.1 mbar at 20°C

Colour: Pale yellow

Oxidising: Non-oxidising (by EC criteria)

Viscosity: 0,7 - 1,1 Pa.s : 25°C ASTM D-445

Flash point°C: >150

Autoflammability°C: ca.400°C

Relative density: 1.120kg/m³ at 25°C

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Reacts with strong oxidising agents.

Conditions to avoid: Caustic soda can induce vigorous polymerisation at temperatures around 200°C

Materials to avoid: Strong mineral acids Caustic soda.

Haz. decomp. products: Hazardous decomposition products are not expected to form during normal storage. Polymerises exothermically with amines, mercaptans and Lewis acids at ambient temperature and above Polymerises in contact with caustic soda. Reacts exothermically with bases (eg: caustic soda), ammonia, primary and secondary amines, alcohols and acids.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: AWF Superquartz Rapid Resin A

ORL LD50 >2000 mg/kg

SKN LD50 >2000 mg/kg

Hazardous ingredients:

BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}

ORL MUS LD50 15600 mg/kg

ORL RAT LD50 11400 mg/kg

SKN RBT LD50 >20 ml/kg

Chronic toxicity: Danger of cumulative effects if swallowed. May cause sensitisation by inhalation. May cause sensitisation by skin contact. Not expected to be a mutagenic hazard

Routes of exposure: Slight eye irritant. Irritating to skin. May cause sensitisation by skin contact. Causes burns. Expected to be a skin sensitizer.

12. ECOLOGICAL INFORMATION

Mobility: Sinks in water. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.

Persistence and degradability: Expected to be not readily biodegradable

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms. COD:- Not determined

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Where practical, containers and packaging should be recycled by a licensed contractor.

Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 3082

ADR Class: 9

Packing group: III

Classification code: M6

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Labelling: 9

Hazard ID no: 90

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IMDG / IMO

UN no: 3082

Class: 9

Packing group: III

EmS: F-A,S-F

Marine pollutant: YES

Labelling: 9

IATA / ICAO

UN no: 3082

Class: 9

Packing group: III

Packing instructions: 914

Labelling: 9

15. REGULATORY INFORMATION

Hazard symbols: Irritant. Dangerous for the environment.

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

R43: May cause sensitisation by skin contact.

R51/53: 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.

S37/39: Wear suitable gloves and eye / face protection.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Date of issue 06/03/2007