

# SAFETY DATA SHEET

## A.W.F. LIQUID GLASS BASE

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	A.W.F. Liquid Glass 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

Active ingredients	Cas No	%	Symbol	Risk
Benzyl Alcohol	36.36			
Salicylic Acid	4.45			
Isophorone Diamine	26.39	C	R21/22	34 43
2.24 Trimethyl Hexamethylene Diamine	6.06		52/3	
Amino Ethyl Piperazine	4.25			
Po;yoxy Propylene Diamine	4.25			
Diglycidyl Ether of ispenol A	15.15			

### 3. HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed. Causes burns.  
 May cause sensitisation by skin contact. Harmful to aquatic organisms.  
 May cause long term adverse effects in the aquatic environment.

### 4. FIRST AID MEASURES

Take off immediately all contaminated clothing.  
Ingestion Rinse mouth immediately with plenty of water and then drink plenty of water. Do not induce vomiting and seek medical advice immediately.  
Inhalation Provide fresh air. If feeling unwell seek medical advice.  
Skin Contact Wash off with plenty of water immediately. Seek medical advice if necessary.  
Eye Contact Rinse with plenty of water immediately and seek medical advice.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing Media Water Spray, Foam, Dry powder.  
Special Hazards Hazardous fumes in fires, specific to the product, nitrogen oxides  
Special Protective Equipment In case of fire wear a self contained respiratory apparatus and full protective suit.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Wear personal protective equipment. Provide sufficient ventilation.

Environmental Precautions Avoid release to the environment. Keep away from drains, waters and soil.

Methods for Cleaning up Take up mechanically or with an absorbent material.

Suitable absorbents e.g. universal absorbent, kiesolguhr. Fill into marked, sealable containers. To be disposed of in compliance with existing regulations.

## 7. HANDLING AND STORAGE

Handling Open and handle containers with care. If possible use material transfer/filling, metering and blending plants that are closed or provide location suction devices.

Protection against Fire/Explosion General rules of fire prevention should be observed

Storage Keep containers tightly closed and store in a cool well ventilated place.

Suitable container Material Steel, stainless Steel.

Unsuitable Container Material Aluminium, Copper.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Industrial Hygiene Remove immediately all contaminated clothing. Do not eat, drink or smoke at work.

Respiratory Protection In case of vapours being formed use respiratory equipment with suitable filter (e.g. filter type ABEK) or wear a self contained respiratory apparatus.

Hand Protection suitable protective gloves e.g. rubber gloves

Eye Protection Close fitting protective goggles e.g. closed goggles.

Further Information Use protective clothing /face shield if necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid, colourless	Odour Faint amine like
solidification temperature 10° C	Boiling temperature (1013 hpa) 247° C
Flash Point 117° C	Ignition Temperature 380° C
Explosion limits 1% vol lower explosion limit	Viscosity (20° C) 18 oPs s
Vapour Pressure (20° C) about 0.02 hpa	Density (20°C) 0.920-0.925 g/cm <sup>3</sup>
Solubility Water (20° C) miscible	pH value (9 g/l water) (20°) about 11.6
Partition Coefficient (log Pow) 0.79 (measured) (isophorone diamine)	

## 10. STABILITY AND REACTIVITY

Stability Decomposition temperature above 260° C

Hazardous Decomposition Products Ammonia

Hazardous Reactions reacts violently with acids, strong oxidants.

## 11. TOXICOLOGICAL INFORMATION

LD50 (oral, rat) 1030 mg/kg

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Skin Causes burns, markedly sensitising ( Magnusson kligman test) Harmful

Eyes Severe eye damage must be expected

Ingestion Harmful

## 12. ECOLOGICAL INFORMATION

No Information

## 13. DISPOSAL CONSIDERATIONS

With respect to local regulations e.g. dispose of to suitable waste incineration plant.

## 14. TRANSPORT INFORMATION

RID/ADR Class 8, UN Number 1760, Name of substance: Corrosive liquid N.O.S.

ADNR Class 8, Item 53c, Name of substance 80/2289 Isophorondiamin

IMDG Code Class 8, UN Number 1760, PG 8149

Proper shipping name: Corrosive liquid N.O.S.

ICAO/IATA-DGR Class 8, UN/ID Number 1760, PG III

Proper shipping name: Corrosive liquid N.O.S.

## 15. REGULATORY INFORMATION

Labelling EC

According to Annex I of Directive 67/548 EEC

Hazard symbol C = Corrosive

R Phrases

21/22 Harmful in contact with skin and if swallowed.

34 Causes burns. 43 May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

S Phrases

In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

37/37/39 Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell seek medical advice immediately ( Show label where possible). 61 Avoid releases to the environment. Refer to special instructions/ safety data sheets.

## 16. OTHER INFORMATION

### 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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