



# OASIS EPOXY SHIELD 980

## PRODUCT HEALTH AND SAFETY DATA

**Product Reference** : Oasis Epoxy Shield 980  
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### 1. IDENTIFICATION OF PREPARATION AND OF COMPANY

**Full name** Oasis Epoxy Shield 980

**Manufacturer** Al Gurg Paints LLC

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**Description:** Oasis Epoxy Shield 980 is high build two pack, cycloaliphatic amine adduct cured epoxy pigmented with anti-corrosive zinc phosphate pigment.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

The following ingredients have recognised health effects or exposure limits, and are present in concentrations above the limits laid down in the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2).

Substance	Weight in Paint	Classification	Risk Phrases*	CAS Number
<b>Base:</b>				
Epoxy resin (Numbers Average Mol Wt $\leq$ 700)	10-25%	Xi	R36/38,R43	25068-38-6
Xylene (mixture of isomers)	5-15%	Xi Xn	R36/38, R10 R20/21	1330-20-7
Butanol	<2.5%	Xi R37 108	R36/38 ,R10 R20/21	71-36-3

\*For full details of R-phrases, see Section 16.

### 3. HAZARDS IDENTIFICATION

This material has been assessed under the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 and has been classified as follows :-

#### **Base:-**

	R10	Flammable
Xi	R36/38	Irritating to eyes and skin
Xi	R43	May cause sensitization by skin contact.
Xi	R20/21	Harmful by inhalation and in contact with skin

#### **Additive:-**

Xi	R36/38	Irritating to eyes and skin
Xi	R43	May cause sensitization by skin contact.

#### **4. FIRST-AID MEASURES**

**In all cases of doubt, or where symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.**

- Inhalation** Remove to fresh air, keep patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
- Eye contact** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- Skin contact** Remove contaminated clothing. Wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners.
- Ingestion** If accidentally swallowed obtains immediate medical attention. Keep at rest. Do not induce vomiting.
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#### **5. FIRE-FIGHTING MEASURES**

##### **Extinguishing Media**

Use alcohol resistant foam, carbon dioxide, dry powder or water spray/mist. Do not use water jet.

##### **Recommendations**

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire-fighting to enter drains or water courses.

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#### **6. ACCIDENTAL RELEASE MEASURES**

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

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#### **7. HANDLING AND STORAGE**

##### **Handling**

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. The following guide weight indicators are given to enable users to carry out assessments. This information is also shown on the container label.

	<b>Base</b>	<b>Additive</b>	<b>Composite</b>
20 litre unit	24 kg	5.50 kg	29.50 kg
5 litre unit	6 kg	1.40 kg	7.40 kg

##### **Storage**

Although the storage of this product is not subject to specific statutory requirements, the principles contained in the HSE guidance note Storage of Flammable Liquids in Containers, should be observed.

Observe the label precautions. Store between 5°C and 35°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are open should be properly re-sealed and kept upright to prevent leakage.

The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances should be observed when storing this product. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Engineering Measures**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see 'Personal Protection' below).

### **Exposure Limits**

Occupational Exposure Standards and/or Maximum Exposure Limits have been established by the Health and Safety Commission or recommended by the supplier for certain of the ingredients. OELs are taken from the current version of EH40 except those marked 'Sup', which are assigned by the supplier of the substance.

<b>Substance</b>	<b>Occupational Exposure Limits</b>		
	<b>8 hr TWA<sup>1</sup></b>	<b>15 min STEL<sup>2</sup></b>	<b>Notes</b>
Butanol	25ppm (OES)		Skin
Xylene (mixture of isomers)	100ppm(OES)	150ppm(OES)	Skin
	<sup>1</sup>	Long term exposure limit - 8 hour time weighted average	
	<sup>2</sup>	Short term exposure limit - 15 minute reference period	
	<sup>3</sup>	There is a risk of absorption through unbroken skin	
	OES	Occupational exposure standard	

Further guidance on OES/MEL and the assessment of occupational exposure to harmful materials, including mixed exposures, is given in HSE Guidance Note EH40.

### **Personal Protection**

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet requirements of the COSHH Regulations.

**Respiratory Protection** Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the Occupational Exposure limits and engineering controls and methods cannot reasonably be improved.

Dry-sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

**Hand Protection** When skin exposure may occur, advice should be sought from glove suppliers on appropriate types.

Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

**Eye Protection** Eye protection designed to protect against liquid splashes should be worn.

**Skin Protection** Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleanser.

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## **9. PHYSICAL PROPERTIES**

Physical State	Viscous liquid
Odour	Characteristic odour
Colour	Black and selected colors
Density	1.50 g/cm <sup>3</sup>
Viscosity Base	35 -40 poise BR at 25°C
Viscosity Additive	7.0-9.0 Poise DR at 25°C
Flash Point base	25°C
Flash Point Additive	51°C

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Volatile Organic Content 165 g/ltr  
Explosion Limit - lower 1.0%  
Water Solubility Immiscible

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### **10. STABILITY AND REACTIVITY**

Stable under the recommended storage and handling conditions (see Section 7).

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

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### **11. TOXICOLOGICAL INFORMATION**

There is no data available on the product itself.

Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eye may cause irritation and reversible local damage.

Ingestion may result in the following effects: sore throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea. Other effects may be as described for exposure to vapours.

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### **12. ECOLOGICAL INFORMATION**

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

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### **13. DISPOSAL CONSIDERATIONS**

Do not allow to enter drains or water courses, or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet, advice should be obtained from the Environment Agency whether the special waste regulations apply.

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### **14. TRANSPORT INFORMATION**

#### **Transport within the user's premises**

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



#### **Transport Classificatio**

<b>BASE :-</b> UN Number: 1263 Packing Group: III HAZARD LABEL(S): TOXIC Liquid, marine pollutant	ADR/RID Class: Exempt ICI Tremcard: Exempt IMDG: Class: 3.3 MFAG: 310 EMS: 3-05
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<b>ADDITIVE:-</b> UN Number: 1263 Packing Group: III HAZARD LABEL(S): TOXIC Liquid, No Marine pollutant	ADR/RID Class: Exempt ICI Tremcard: Exempt IMDG: Class: 3.3 MFAG: 310 EMS: 3-05
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## **15. REGULATORY INFORMATION**

The product has been classified and labelled for supply in accordance with the CHIP 2 regulations as follows:-

	
<p><b>IRRITANT</b> Keep away from sources of ignition - No smoking. Keep out of reach of children. Ensure maximum ventilation during application and drying. When spraying, do not breathe spray, wear suitable respiratory equipment. On large interior surfaces or in confined spaces, wear air-fed respiratory equipment. Do not breathe vapour/spray. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water or proprietary skin cleanser. In case of insufficient ventilation, wear suitable respiratory equipment.</p>	

The information contained in this data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation.

The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

## **16. OTHER INFORMATION**

Full details of R-phrases are as follows:-

R10	Flammable
R20/21	Harmful by inhalation and in contact with skin
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
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
N	Dangerous for the environment
Xn	Harmful
Xi	Irritant

Text for S phrases

S2	Keep out of reach of children
S16	Keep away from sources of ignition – No smoking
S24/25	Avoid contact with skin and eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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S28	After contact with skin, wash immediately with plenty of soap and water or a recognized skin cleaner.
S29	Do not empty into drains
S38	In case of insufficient ventilation, wear suitable respirator equipment
S51	Use only in well ventilated areas

The information in this data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring the requirements of relevant legislation are complied with.

The information contained in this data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:

- The Chemical (Hazard Information and Packaging for Supply) Regulations 1994
- Control of Substances Hazardous to Health 1994
- Manual Handling Operations Regulations 1992
- Environmental Protection (Duty of Care) Regulations 1992
- Occupational Exposure Limits, EH40
- The Storage of Flammable Liquids in Containers, HS(G)51
- Storage of Packaged Dangerous Substances , HS(G)71
- The Approved Guide to the Classification and Labelling of Substances and Preparations Dangerous for Supply (Second Edition), L63
- The Approved Supply List, L76
- The Approved Code of Practice: Safety Data Sheets for Substances and Preparations Dangerous for Supply, L62.