



## OASIS 8653 EPOXY BUILDCOAT/FINISH PRODUCT HEALTH AND SAFETY DATA

**Product Reference** : Oasis 8653 Epoxy Buildcoat/Finish  
**Date of Issue** : 20/03/2016

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### 1. IDENTIFICATION OF PREPARATION AND OF COMPANY

**Full name** Oasis 8653 Epoxy Buildcoat/Finish

**Manufacturer** Al Gurg Paints LLC

**PO Box 22334**

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**United Arab Emirates**

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**Description:** Oasis 8653 Epoxy Buildcoat/Finish for spray, brush and roller application, based on a two pack epoxy resin system with inorganic and/or organic pigments and containing xylene, aromatic hydrocarbon and 1-Methoxy-2-propanol Solvents.

Also, the following colours contain lead chromate pigment:-

BS4800 04E53 - Red

BS4800 08E51 - Golden Yellow

BS4800 10E53 - Canary Yellow

BS4800 14E51 - April Green

BS4800 14E53 – Emerald

### 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)	10-25%	Xi Xn	R38 R20/21	1330-20-7
Mesitylene	<2.5%	Xi R37 108	67	8
Additionally, for the colours listed in Section 1 as containing lead chromate:- Lead chromate	>0.5%	Repr. Cat. 1	R61 7758-97-6	
		Repr. Cat. 1	R62 R33	

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

SUBSTANCE	WEIGHT IN PAINT	CAS NUMBER
1-methoxypropan-2-ol	2.5-10%	107-98-2

### **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.
Base with	R10	Flammable
<b>lead Chromate</b>	R33	Danger of cumulative effects.
Xi	R36/38	Irritating to eyes and skin
Carc. Cat. 3	R40	Possible risk of irreversible effects
Xi	R43	May cause sensitisation by skin contact.
Repr. Cat. 1	R61	May cause harm to the unborn child

#### **Additive:-**

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

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### **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.**

<b>Inhalation</b>	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.
<b>Eye contact</b>	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do NOT use solvents or thinners.
<b>Ingestion</b>	If accidentally swallowed obtain 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**

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid concentrations higher than the occupational exposure limits.

Additionally the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.

Required air quantity to ventilate to 10% of the LEL. 80 m<sup>3</sup>/ltr

The above figure is given as a guide only. Ventilation and extraction must be arranged so that all parts of the workplace are properly ventilated i.e. there are no recesses or pockets where high vapour concentrations are allowed to build up.

If there is any doubt about the adequacy of the ventilation/extraction of solvent vapour, regular monitoring of confined workplaces should be carried out.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use.

For personal protection, see Section 8.

Never use pressure to empty; the container is not a pressure vessel.

Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

	<b>Base</b>	<b>Additive</b>	<b>Composite</b>
20 litre unit	25.6 - 28.8 kg	4.4 kg	30.0 - 33.2 kg
5 litre unit	6.4 - 7.2 kg	1.1 kg	7.5 - 8.3 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.

### **Occupational Exposure Limits**

<b>Substance</b>	<b>8 hr TWA<sup>1</sup></b>	<b>15 min STEL<sup>2</sup></b>	<b>Notes</b>
1-methoxypropan-2-ol	100ppm(OES)	300ppm(OES)	Skin
Lead compounds	0.15mg/m <sup>3</sup> (MEL)		
Mesitylene	25ppm(OES)		
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	Various
Density	1.50 g/cm <sup>3</sup>
Viscosity Base	7 -11 poise BR at 25°C
Viscosity Additive	3.0-3.5 Poise cp at 25°C
Flash Point base	28°C
Flash Point Additive	42°C
Volatile Organic Content	352 g/ltr
Explosion Limit - lower	1.0%
Water Solubility	Immiscible

## **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.

Increased incidences of lung cancer have been identified in the chromate manufacturing industry. Epidemiological studies have shown that where lead chromates alone were manufactured there were no cancer excesses.

Animal studies have shown that some insoluble chromates are carcinogenic but the data does not extend to lead chromate pigments. There is no evidence of a risk of lung cancer arising from the use of lead chromate containing products.

Epidemiological data shows an association between elevated maternal blood lead levels and developmental effects in the offspring. Following the introduction of the criteria for *Toxic to Reproduction* hazard classification the EC has classified all lead compounds as causing Developmental toxicity in humans. Lead chromate, although of relatively low solubility and bioavailability, is included in this classification.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar preparations, this preparation may be a skin sensitiser and an irritant. It contains low molecular epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies.

Skin contact with the preparation and exposure to spray mist and vapour should be avoided.

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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 Classification**

**Base:**

#### **Transport Details**

Class : 3  
Sub Hazard : -  
Packing Group : III

Proper Shipping Name : Paint  
UN Number : 1263

Ensure drivers have adequate training.

#### **For International Road/Rail**

Chemical Name : Paint

Item Number : 31°(c)

Trem Card : 30G35

#### **For Sea Transport**

Marine Pollutant : No  
EmS : 3-05  
MFAG : 310

**Additive:**

#### **Transport Details**

Class : 3  
Sub Hazard : -  
Packing Group : III

Proper Shipping Name : Paint  
UN Number : 1263

Ensure drivers have adequate training.

#### **For International Road/Rail**

Chemical Name : Paint  
Item Number : 31°(c)  
Trem Card : 30G35

#### **For Sea Transport**

Marine Pollutant : No  
EmS : 3-05  
MFAG : 310

This information does not apply to carriage by air. Please contact the Export Department of Al Gurg Paints LLC if transport by air is required.

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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:-

**For all colours except those listed in Section 1 as containing lead chromate:-**

**Base:**

Symbols:



IRRITANT

Named Substances: Epoxy resin (Numbers Average Mol Wt  $\leq$  700)

Warning label phrases: Contains epoxy constituents. See information supplied by the manufacturer.

Flammable.

Irritating to eyes and skin

May cause sensitisation by skin contact.

Do not breathe vapour/spray.

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

Wear suitable protective clothing and gloves

In case of insufficient ventilation, wear suitable respiratory equipment

**Base for colours containing lead chromate (see Section 1):**

**Base:**

Symbols:



Named Substances: Epoxy resin (Numbers Average Mol Wt  $\leq$  700)  
Lead Chromates

Warning label phrases: Contains lead. Should not be used on surfaces that are liable to be chewed or sucked by children  
Contains epoxy constituents. See information supplied by the manufacturer.

Restricted to professional users.

Flammable.

Danger of cumulative effects.

Possible risk of irreversible effects

May cause sensitisation by skin contact.

May cause harm to the unborn child

Possible risk of impaired fertility

Do not breathe vapour/spray.

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

Wear suitable protective clothing and gloves

During spraying wear air-fed respiratory protective equipment.

**Additive:**

Symbols:



HARMFULL

Named Substances: Polyethyleneamines  
Xylene (mixture of isomers)

Warning label phrases: Flammable.

Danger of cumulative effects.

Possible risk of irreversible effects

May cause sensitisation by skin contact.

May cause harm to the unborn child

Possible risk of impaired fertility

Do not breathe vapour/spray.

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

Wear suitable protective clothing and gloves

During spraying wear air-fed respiratory protective equipment.

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.

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**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.
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.

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