OASISDEK 8816 NON SLIP SUEDE FINISH

PRODUCT HEALTH AND SAFETY DATA

1. IDENTIFICATION OF PREPARATION AND OF COMPANY

Full name Oasisdek 8816 Non Slip Suede Finish

Manufacturer Al Gurg Paints LLC

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Description: A weather resistant, suede finish for spray, brush or roller application to suitably primed decks. Based on a two pack epoxy resin system with inorganic pigments and aggregates and containing aromatic hydrocarbon and 1-methoxypropan-2-ol solvents..

Also, the following colours contain lead chromate pigment:-

BS381C 220 - Olive Green
BS381C 225 - Light Brunswick Green
Yellow - R5070

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		Risk Phrases*	CAS Number
		Classification		
BASE:				
Epoxy resin (Numbers Average Mol Wt <= 700)	25-50%	Xi	R36/38	25068-38-6
		Xi	R43	
Xylene (mixture of isomers)	25-50%	Xi	R38	1330-20-7
		Xn	R20/21	
1,2,4-trimethylbenzene	2.5-10%	N	R51	202-436-9
		N	R53	
		Xi	R36/37/38	
		Xn	R20	
1-methoxy-2-propanol	2.5-10%			203-539-1
Solvent Naphtha (petroleum), light aromatic	2.5-10%	Xn	R65	265-199-0
Propylbenzene	<2.5%	N	R51	
		N	R53	
		Xi	R37	
		Xn	R65	
Base (For colours containing Lead Chromate)				
Epoxy resin (Numbers Average Mol Wt <= 700)	10-25%	Xi	R36/38	25068-38-6

		Xi	R43	
Xylene (mixture of isomers)	25-50%	Xi	R38	1330-20-7
		Xn	R20/21	
			R33	
Lead Chromates	>1%	Repr. Cat. 3	R40	7758-97-6
		Repr. Cat. 1	R61	
		Repr. Cat. 3	R62	
White spirit	<1%	N	R51	265-185-4
		N	R53	
		Xn	R65	
1-methoxy-2-propanol	2.5-10%			203-539-1
Solvent Naphtha (petroleum), light aromatic	2.5-10%	Xn	R65	265-199-0
Propylbenzene	<2.5%	N	R51	
		N	R53	
		Xi	R37	
		Xn	R65	
ADDITIVE:				
Xylene (mixture of isomers)	25-50%	Xi	R38	1330-20-7
		Xn	R20/21	
Polyethyleneamine	2.5-10%	Xi	R34	
		Xi	R43	
		Xn	R21/r22	
2,4,6-tris(dimethylaminomethyl) phenol	2.5-10%	Xi	R36/38	90-72-2
		Xn	R22	

*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.
	Xn	R20/21	Harmful by inhalation and in contact with skin.
	Xi	R36/38	Irritating to eyes and skin
	Xi	R43	May cause sensitisation by skin contact.
		R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Base (with lead chromate):		R10	Flammable.
	Xn	R20/21	Harmful by inhalation and in contact with skin.
		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
	Repr. Cat. 3	R62	Possible risk of impaired fertility

	N	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Additive:		R10	Flammable.
	Xn	R20/R21	Harmful by inhalation and contact with skin.
	Xi	R43	May cause sensitisation by skin contact.
	N	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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.

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.

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.	104 m^3/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.

Package	Base	Additive	Composite
20 litre unit	24.95 kg	3.70 kg	28.65 kg
5 litre unit	6.24 kg	0.92kg	7.16 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.

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		
Substance	**8 hr TWA[1]**	**15 min STEL[2]**	**Notes**
Lead compounds	0.15mg/m^3(MEL)		
Xylene (mixture of isomers)	100ppm(OES)	150ppm(OES)	Skin
1,2,4-trimethylbenzene	25ppm(OES)		
1-methoxypropan-2-ol	100ppm(OES)	150ppm(OES)	Sk[3]
2-methoxypropanol	100ppm(OES)		Sup
White spirit	600mg/m^3(OELsol)		

[1]	Long term exposure limit - 8 hour time weighted average
[2]	Short term exposure limit - 15 minute reference period
[3]	There is a risk of absorption through unbroken skin
OES	Occupational exposure standard
	MEL Maximum exposure limit. OELsol Occupation exposure limit of the hydrocarbon solvent mixture (set by supplier).

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.

9. PHYSICAL PROPERTIES

Physical State	Viscous liquid
Odour	Characteristic odour
Colour	Various
Density	1.30 g/cm³
Viscosity Base	6.0- 10 poise DR at 25°C
Viscosity Additive	45- 55 Sec B3 Cup at 25°C
Flash Point base	34°C
Flash Point Additive	32°C
Volatile Organic Content	469 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.

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.

Based on the properties of the epoxy consituent(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.

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.

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.

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.

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 ≤ 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:

Dangerous for the Environment

Named Substances: Epoxy resin (Numbers Average Mol Wt ≤ 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.

16. OTHER INFORMATION

Full details of R-phrases are as follows:-

R20/21 Harmful by inhalation and in contact with skin
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R21/22 Harmful in contact with skin and if swallowed

R22 Harmful if swallowed

R33 Danger of cumulative effects.

R34 Causes burns.

R36/38 Irritating to eyes and skin

R38 Irritating to skin

R40 Possible risk of irreversible effects

R43 May cause sensitisation by skin contact.

R61 May cause harm to the unborn child

R62 Possible risk of impaired fertility

Full details of the hazard classifications are as follows:-

Carc. Cat. 3 Carcinogenic Category 3

Repr. Cat. 1 Toxic for Reproduction Category 1

Repr. Cat. 3 Toxic for Reproduction Category 3

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.