

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name WEDGEWOOD OPULENT DECORATIVE COLOURANTS (WD021)
 Synonyms Water Based Colorants
 Description Water-based colorants for tinting paints / coatings.
 Dura Paints (PTY) Ltd 5 Wakefield Road, Founders View South, Edenvale, 1610, South Africa.
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Polymer of unsaturated poly-fattyamine amides and acidic polyethers		Proprietary	0 - < 5
Alkylaryl sulphonate		Proprietary	0 - < 3
Betaines, coco alkylidimethyl		68424-94-2	0 - < 3
Ethoxylated Alcohols		68439-45-2	0 - < 3
Maleic acid		110-16-7	< 0.2
5-chloro-2-methyl-3(2H)-isothiazolin, mixed with 2-methyl-2H-isothiazol-3-one		55965-84-9	< 0.1
Zinc pyrithione		13463-41-7	< 0.1

3. HAZARDS IDENTIFICATION

SAPMA Health Rating	Not Classified	
Physical hazards	Non-flammable	
Highly Flammable	Skin corrosion/irritation	Category 3
Health hazards	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 3
	Hazardous to the aquatic environment, long-term hazard	Category 3

Label elements



Signal word	Danger
Hazard statement	Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye damage.
Precautionary statement	Harmful to aquatic life. Harmful to aquatic life with long lasting effects
Prevention	Avoid breathing mist or vapour. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves.
Response	Avoid breathing mist or vapour. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/international regulations.

Other hazards which do not result in classification Supplemental information	None known. If product is in liquid or paste form, hazards related to dust are not considered significant. But product may contain substances that could be potential hazards if caused to become airborne due to abrasive processes.
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4. FIRST AID MEASURE

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Suitable extinguisher media	Powder. Alcohol resistant foam. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for fire fighters.	Self-contained breathing apparatus and full clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8.
Methods and materials for containment and cleaning up	Use water spray to reduce vapours or divert vapour cloud drift. Prevent product from entering drains. Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contaminant.
Environmental precautions	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Precautions for safe handling	Provide adequate ventilation. Do not get this material in contact with eyes. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits**South Africa. Recommended Exposure Limits (RELs) Regulations for Hazardous Chemical Substances, Table 2**

Components	Type	Value	Form
Carbon black (CAS 1333-86-4)	STEL	7mg/m ³	
	TWA	3.5mg/m ³	
Propylene glycol (CAS 57-55-6)	TWA	470mg/m ³	Total vapour and particulates.
		10 mg/m ³	Particulate
		150 ppm	Total vapour and particulates
Talc (CAS 14807-96-6)	TWA	10 mg/m ³	Total inhalable dust.
		1 mg/m ³	Respirable dust.
Titanium dioxide (CAS 13463-67-7)		5 mg/m ³	Respirable dust.
		10 mg/m ³	Total inhalable dust.

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles) and a face shield. Face shield is recommended.
Skin protection Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Other	Wear appropriate chemical resistant clothing. Use of any impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash for clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue LC (DP1), Yellow LC (DP2), Red LC (DP3), Green (DP4), Yellow HC (DP5), Blue HC (DP6), Yellow Oxide (DP7), Red HC (DP8), Black LC (DP9), Red Oxide (DP10), Violet (DP11), Magenta (DP12), Orange (DP13), White (DP14) and Raw Umber (DP17).	
	Physical State	Liquid.
	Form	Liquid.
	Colour	Various.
	Odour	Slight
	Odour threshold	Not available
	pH	7 – 10 estimated
	Melting point/freezing point	Not available
	Initial boiling point and boiling range	> 100°C (> 212 °F) estimated
	Flash point	> 100°C (> 212.0 °F) estimated
	Evaporation rate	Not available
	Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	Flammability limit – lower (%)	Not available
	Flammability limit – upper (%)	Not available
	Explosive limit – lower (%)	Not available
	Explosive limit – upper (%)	Not available
	Vapour pressure	Not available
	Vapour density	Not available

Solubility(ies)	Relative density	Not available
	Solubility (water)	Not available
	Partition coefficient (n-octanol/water)	Not available
	Auto-ignition temperature	Not available
	Decomposition temperature	Not available
	Viscosity	Not available
	Other information	Explosive properties
Oxidising properties		Not oxidising
Specific gravity		1 – 2.5 estimated

10. STABILITY AND REACTIVITY

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.	
Inhalation	Prolonged inhalation may be harmful
Skin contact	Causes mild skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye damage.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Information on toxicological effects	May cause an allergic skin reaction.
Acute toxicity	

Components	Species	Test Results
<u>Maleic acid (CAS 110-16-7)</u>		
Acute		
Dermal		
LD50	Rabbit	1560 mg/kg
Oral		
LD50	Mouse	2400 mg/kg
	Rat	708 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes mild skin irritation
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	
Respiratory sensitisation	Not a respiratory sensitizer
Skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not available
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity – single exposure	Not classified
Specific target organ toxicity – repeated exposure	Not classified
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

Components	Test	Aquatic	Species	Test results
Maleic acid (CAS 110-16-7)	EC50	Crustacea	Water flea (Daphnia magna)	250 - 400mg/l, 48 hours
	LC50	Fish	Fathead minnow (Pimephales promelas)	5 mg/l, 96 hours.

* Estimates for product may be based on additional component data not shown.

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	Partition coefficient n-octanol / water (log Kow) Maleic acid -0.48
Mobility in soil	No data available
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations
Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ADR	Not regulated
RID	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Not established.

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

Hazardous Substances Act, 1973 (Act No. 15 of 1973)	Not listed
International regulations	
Stockholm Convention	Not applicable
Rotterdam Convention	Not applicable
Montreal Protocol	Not applicable
Kyoto Protocol	Not applicable
Basel Convention	Not applicable

16. OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. No warranty, whether expressed or implied is made. All information is given in good faith, but without guarantee in respect of accuracy and no responsibility is accepted for errors or omissions or the consequences thereof. The current version of this MSDS and a Technical Data Sheet (TDS) are available from Dura Paints website - www.durapaints.co.za.

C	=	Ceiling limit	NEGL	=	Negligible
EST	=	Estimated	NF	=	None found
NA	=	Not applicable	UNKN	=	Unknown
NE	=	None established	REC	=	Recommended
ND	=	None determined	V	=	Recommended by vendor
TS	=	Trade secret	SKN	=	Skin

END OF MSDS