

PRODUCT NAME: **Magic Finish**

### 1. IDENTIFICATION OF MATERIAL & SUPPLIER

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**SYNONYM(S)** ALCOHOL-SURFACTANT BLEND - CHEMICAL NAME • CONCENTRATED GLASS CLEANER • ECOWASH MAGIC FINISH (CONCENTRATED GLASS CLEANER)  
**USE(S)** CLEANER • CONCENTRATED CLEANER/SANITISER • GLASS CLEANER  
**MSDS DATE:** 04 July 2011

### 2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

#### RISK PHRASES

R67 Vapours may cause drowsiness and dizziness.

#### SAFETY PHRASES

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 contact a doctor or Poisons Information Centre.

S7 Keep container tightly closed.

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	1219	<b>DG Class</b>	3	<b>Subsidiary Risk(s)</b>	None Allocated
<b>Pkg Group</b>	II	<b>Hazchem Code</b>	2(S)E	<b>EPG</b>	3A1

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	FORMULA	CAS NO.	CONTENT
ISOPROPYL ALCOHOL	C3-H8-O	67-63-0	Not Available
EDTA TETRASODIUM SALT	C10-H12-N2- O8.4Na	64-02-8	Not Available

### 4. FIRST AID MEASURES

**EYE** Flush gently with running water for 15 minutes.

**INHALATION** If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.

**SKIN** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

**INGESTION** DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.

**ADVICE TO DOCTOR** Treat symptomatically

**FIRST AID FACILITIES** Eye wash facilities and safety shower should be available.

### 5. FIRE FIGHTING MEASURES

<b>FLAMMABILITY</b>	Flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids.
<b>FIRE &amp; EXPLOSION</b>	Flammable - explosive vapour. Evacuate area & contact emergency services. Toxic gases (carbon oxides, hydrocarbons) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use water-fog to cool intact containers and nearby storage areas.
<b>EXTINGUISHING</b>	Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.
<b>HAZCHEM CODE</b>	2[S]E

### 6. ACCIDENTAL RELEASE MEASURES

<b>SPILLAGE</b>	If spilt (bulk), contact emergency services if appropriate. Wear splash-proof goggles, neoprene/nitrile gloves, a Type A (Organic vapour) respirator (where inhalation risk exists), coveralls, an apron and boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar and place in clean, sealed containers for disposal.
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### 7. STORAGE AND HANDLING

<b>STORAGE</b>	Store in cool, dry, well-ventilated area, removed from oxidising agents, acids, active metals, direct sunlight, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should be banded and have appropriate ventilation systems.
<b>HANDLING</b>	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 8. EXPOSURE CONTROLS / PERSONAL EQUIPMENT

EXPOSURE STANDARDS	Ingredient	Reference	TWA		STEL	
			Ppm	Mg/m <sup>3</sup>	Ppm	Mg/m <sup>3</sup>
	Isopropyl alcohol	NOHSC (AUS)	400	983	500	1230

**BIOLOGICAL LIMIT VALUES** No biological limit allocated.

**ENGINEERING CONTROLS** Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

**PPE** Wear splash-proof goggles, neoprene or nitrile gloves and coveralls.

### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	CLEAR DARK BLUE COLOURED LIQUID	<b>SOLUBILITY (WATER):</b>	SOLUBLE
<b>ODOUR:</b>	ALCOHOL ODOUR	<b>SPECIFIC GRAVITY:</b>	0.99 to 1.00
<b>pH:</b>	NOT AVAILABLE	<b>% VOLATILES:</b>	96 %
<b>VAPOUR PRESSURE:</b>	NOT AVAILABLE	<b>FLAMMIBILITY:</b>	FLAMMABLE
<b>VAPOUR DENSITY:</b>	NOT AVAILABLE	<b>FLASH POINT:</b>	49°C (oc) (Approximately)
<b>BOILING POINT:</b>	93°C (Approximately)	<b>UPPER EXPLOSION LIMIT:</b>	NOT AVAILABLE
<b>MELTING POINT:</b>	NOT AVAILABLE	<b>LOWER EXPLOSION LIMIT:</b>	NOT AVAILABLE
<b>EVAPORATION RATE:</b>	→ 1 (Butyl acetate = 1)	<b>AUTOIGNITION:</b>	NOT AVAILABLE

### 10. STABILITY & REACTIVITY

**MATERIAL TO AVOID:** Incompatible with oxidising agents (e.g. peroxides), acids (e.g. sulphuric acid), active metals (e.g. aluminium, potassium, magnesium), and heat and ignition sources.

**DECOMPOSITION:** May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.

### 11. TOXICOLOGICAL INFORMATION

**HEALTH HAZARD SUMMARY** Use safe work practices to avoid eye or skin contact and vapour generation-inhalation. Over exposure at very high levels may result in liver and kidney damage. May cause skin sensitisation, although rare.

**EYE** Contact may result in lacrimation, irritation, pain, redness and conjunctivitis. Prolonged contact - corneal burns and possible permanent damage.

**INHALATION** Inhalation may cause irritation to the respiratory system, nose and throat irritation, coughing, and headache. Over exposure may result in nausea, dizziness and drowsiness.

**SKIN** Prolonged contact may result in skin rash, drying and defatting of the skin which may result in dermatitis. Potential sensitising agent.

**INGESTION** Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, fatigue, dizziness, drowsiness and unconsciousness with large doses. Aspiration may result in chemical pneumonitis and pulmonary oedema.

**TOXICITY DATA** ISOPROPYL ALCOHOL (67-63-0)  
Carcinogenicity: Not classifiable as to its carcinogenicity (IARC Group 3)  
LC50 (Inhalation): 16000 ppm/8 hours 16000/8 hours (rat)  
LD50 (Ingestion): 3600 mg/kg (mouse)  
LD50 (Skin): 12,800 mg/kg (rabbit)

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENT** SOIL: Isopropanol will both evaporate quickly and leach into the ground due to its high vapour pressure and low adsorption to soil. If soil degradation is not rapid, it is apt to leach into the groundwater. WATER: Will volatilise when released into water (estimated half-life ~5.4 days) and may biodegrade. ATMOSPHERE: Photo degradation (estimated half-life of one to several days) will occur. Due to its solubility in water, rainout may be significant.

### 13. DISPOSAL CONSIDERATION

**WASTE DISPOSAL** For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

**LEGISLATION** Dispose of in accordance with relevant local legislation.

### 14. TRANSPORT INFORMATION

#### CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>SHIPPING NAME:</b>	ISOPROPANOL (ISOPROPYL ALCOHOL)				
<b>UN No.</b>	1219	<b>DG CLASS</b>	3	<b>SUBSIDIARY RISK(S)</b>	None Allocated
<b>Pkg GROUP</b>	II	<b>HAZCHEM CODE</b>	2(S)E	<b>EPG</b>	3A1

### 15. REGULATORY INFORMATION

**POISON SCHEDULE** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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### 16. OTHER INFORMATION

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#### **ADDITIONAL INFORMATION:**

Additional Information

**EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

**ABBREVIATIONS:**

ADB - Air-Dry Basis.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m<sup>3</sup> - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

TWA/ES - Time Weighted Average or Exposure Standard.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This document has been compiled by the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS'). It is based on information concerning the product which has been provided to Ecowash Solutions obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue.

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