

## SAFETY DATA SHEET

<b>Section 1.</b>	<b>Identification of the material and the supplier</b>
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Product: **Liquid Glass Colourant**  
 Item Code:  
 Product Use: Glass Colourant  
 Restriction of Use: Refer to Section 15

Australian Supplier: **Norglass Paints**  
 Address: 59 Moxon Road  
 Punchbowl NSW 2196  
 Australia  
 Telephone: +61 2 9708 2200  
 Email: [info@norglass.com.au](mailto:info@norglass.com.au)

New Zealand Supplier: xxx  
 Address: xxx  
 Telephone: 0508 724687

**Emergency Numbers:**  
**Australia: 13 1126 (Poisons Information Centre)**  
**New Zealand: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 4 July 2018

<b>Section 2.</b>	<b>Hazards Identification</b>
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**Australia:**  
 Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

**New Zealand:**  
 This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

**EPA Approval No: Surface Coatings and Colourants (Flammable) - HSR002662**

**Pictograms**



Flammable Irritant

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

<b>Prevention Code</b>	<b>Prevention Statement</b>
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

<b>Response Code</b>	<b>Response Statement</b>
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use Alcohol resistant foam for extinction.

<b>Storage Code</b>	<b>Storage Statement</b>
P403 + P235	Store in a well-ventilated place. Keep cool.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

### **Section 3. Composition / Information on Ingredients**

<b>Ingredients</b>	<b>Wt%</b>	<b>CAS NUMBER.</b>
Ethanol Solution	75-85	64-17-5
Colourant	To balance	Proprietary

### **Section 4. First Aid Measures**

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Rinse mouth. DO NOT induce vomiting. Give a glass of water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	Carbon monoxide and carbon dioxide, water and hydrogen gas.
<b>Suitable Extinguishing media</b>	Alcohol resistant foam, or if unavailable, water fog, or fine mist.
<b>Precautions for firefighters and special protective clothing</b>	Full protective clothing and self-contained breathing apparatus
<b>HAZCHEM CODE</b>	<b>2YE</b>

**Section 6. Accidental Release Measures**

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. Eliminate sources of ignition.

Contain the spilled liquid with sand or earth. Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material. Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Dispose of according to Local Regulations.

**Section 7. Handling and Storage****Precautions for Handling:**

- Read label before use.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Open slowly to control possible pressure release.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wash hands thoroughly after handling.
- Wear protective clothing.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Store in a well-ventilated place. Keep cool.
- Store in a cool, dry place away from direct sunlight.
- Do not pressurise, cut, heat or weld containers - residual vapours are flammable.
- This product is flammable and will fuel a fire in progress.

**Section 8 Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ethyl alcohol (Ethanol) [64-17-5]	1,000	1,880	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15-minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

## Engineering Controls

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

## Personal Protection Equipment

<b>Eyes</b>	Always use safety glasses or a face shield when handling this product. Avoid wearing contact lenses.
<b>Hands and Skin</b>	Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.
<b>Respiratory</b>	Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Odour</b>	Black
<b>Odour Threshold</b>	Characteristic Sweetish Odour
<b>pH</b>	No Data
<b>Boiling Point</b>	No Data
<b>Melting Point</b>	78 <sup>o</sup> C
<b>Freezing Point</b>	No Data
<b>Flash Point</b>	-87 <sup>o</sup> C
<b>Flammability</b>	13c
<b>Upper and Lower Exposure Limits</b>	100%
<b>Volatile Component</b>	3.5-19.0%(Lel-Uel)
<b>Vapour Pressure</b>	44mmHg @20 <sup>o</sup> C
<b>Vapour Density</b>	1.59pha @ 20 <sup>o</sup> C
<b>Specific Gravity</b>	.79 - .81 (g/ml @15 <sup>o</sup> C)
<b>Solubilities</b>	N/A
<b>Partition Coefficient:</b>	
<b>Auto-ignition Temperature</b>	392 <sup>o</sup> C
<b>Decomposition Temperature</b>	N/A
<b>Kinematic Viscosity</b>	N/A
<b>Particle Characteristics</b>	

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Sources of heat and ignition, open flames.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide and organic complexes on incomplete burning or oxidation.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Causes severe eye irritation.

<b>Skin</b>	Not applicable.
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**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Ethanol solution:**

Oral LD50: Rat: 7060 mg/lg  
 Dermal TCLo: Rabbit: 20g/kg

**Section 12. Ecotoxicological Information**

**This product is not hazardous to the environment.**

<b>Persistence and degradability</b>	This product readily biodegrades on exposure to light and air.
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	This product is mobile on dilution, risking contamination of waterways, grasslands and soils.
<b>Other adverse effects</b>	No data available

**Ecotoxicity Aquatic Toxicity**

**Ethanol solution**

Fish Toxicity (rainbow trout, goldfish, bluegill): LC50(96hr): Fathead minnow: 13480000 µg/L  
 Daphnia Magna EC50 (24 hr): LC50 (Mort): 5680000 µg/L  
 Blue-green algae (Toxicity threshold 7-8 days): LOEC: 1450000 µg/L  
 Green algae (Toxicity threshold 7-8 days): LOEC: 5000000 µg/L

**Section 13. Disposal Considerations**

**Disposal Method:** Place recovered product into an appropriate waste container for disposal through appropriate waste company or specialized landfill in accordance with local regulations. Ensure container is sealed and isolated away from ignition sources.

**Precautions:** Ensure waste container containing recovered product or contaminated spill media is labelled "Hazardous Waste – Flammable". If triple rinsing container, add rinsate to waste container for disposal.

**Disposal methods to avoid:** None known.

**Section 14 Transport Information**

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012 and Australian Dangerous Goods Code ADG7 and NOHSC:1008(2004)**

Road and Rail Transport

UN No: 1170  
 Class-primary 3  
 Packing Group II  
 Proper Shipping Name: ETHANOL SOLUTIONS.

Air Transport

UN No: 1170  
 Class-primary 3  
 Packing Group II  
 Proper Shipping Name: ETHANOL SOLUTIONS.

Marine Transport

UN No: 1170  
 Class-primary 3  
 Packing Group II  
 Proper Shipping Name: ETHANOL SOLUTIONS.

**Section 15 Regulatory Information**

**This substance is hazardous according to:**

**Australia – This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition**

**Poison Schedule:** Schedule 5

**New Zealand - The HSNO (Minimum Degrees of Hazard) Regulations 2001**

EPA Approval Code: Surface Coating and Colourant (Flammable) – HSR002662

HSNO Classification: 3.1B, 6.4A

HSNO Controls:

Trigger quantities for this substance:

	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	100L (>5L), 250L(<5L), 50L (open)
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L
Emergency Response Plan	1000L
Stationery containment	1000L
Restriction of Use	None

**Section 16 Other Information**

**Glossary**

EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

**References:**

**Australia:**

1. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
2. Standard for the Uniform Scheduling of Medicines and Poisons.
3. Australian Code for the Transport of Dangerous Goods by Road & Rail.
4. Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens,

Product Name: Liquid Glass Colourant  
 Date of SDS: 4 July 2018

Issued by: Technical Compliance Consultants (NZ) Ltd  
 Tel: 64 9 475 5240 www.techcomp.co.nz

- restricted carcinogens and restricted hazardous chemicals.
5. Workplace exposure standards for airborne contaminants, Safe work Australia.
  6. American Conference of Industrial Hygienists (ACGIH).
  7. Globally Harmonised System of classification and labelling of chemicals.

New Zealand:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the Australian Manufacturer or New Zealand distributor, if further information is required.

Issue Date: 4 July 2018 Review Date: 4 July 2023