



SAFETY DATA SHEET

Product Name: GLY-PRO™ Tracer

NON-HAZARDOUS CHEMICAL, NON-DANGEROUS GOODS

Glycol Sales Australia (GSA) encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name:	GLY-PRO™ Tracer
Company identification:	Glycol Sales Australia PO BOX 136 LILYDALE, VIC 3140
Contact Details:	1300 459 265 info@glycolsales.com.au
Emergency Telephone Number:	For advice, contact a doctor (at once) or the Australian Poisons Information Centre: 131 126 Transport Emergency Only Dial 000

Recommended use:

GLY-PRO™ Tracer is an industrial food safe colourant specifically engineered for propylene and ethylene glycol based heat transfer fluids.

Product Name: GLY-PRO™ Tracer**2. HAZARDS IDENTIFICATION****DANGEROUS GOOD CLASSIFICATION**

Not classified as dangerous goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION

	Colour Index	E#	CAS NO
BRILLIANT BLUE FCF	CI42090	E133	3844-45-9
TARTRAZINE	CI 19140	E102	1934-21-0
BLACK PN	CI28440	E151	2519-30-4
PONCEAU RED 4R	CI 16255	E124	2611-82-7
AMARANTH (PINK)	CI 16185	E123	915-67-3
INDIGO	CI73015	E132	860-22-0
CARMOISINE	CI14720	E122	3567-69-9
INDIGO CARMINE BLUE	CI73015	E132	860-22-0
SUNSET YELLOW (ORANGE)	CI15985	E110	2783-94-0
WHITE CONTAINS THE BELOW:			
TITANIUM DIOXIDE	CI77891	E171	13463-67-7
CORN FLOUR	N/A	N/A	9005-25-8
BERMOCOLL (CELLOGEN)	N/A	N/A	N/A

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Breath fresh air. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Product Name: GLY-PRO™ Tracer

Hazchem Code: Not applicable.

Flammable Limits: Normally stable, non-combustible and non-flammable.

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Non-combustible material. Toxic fumes may be released.

Firefighting further advice: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Take necessary precautions to prevent skin and eye contamination. Avoid inhalation of vapour. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Slippery when spilt. Clean up immediately. Take necessary precautions to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable

7. HANDLING AND STORAGE

Handling: Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Always keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Appropriate engineering controls :	Ensure good ventilation of the work station.
Environmental exposure controls :	Avoid release to the environment.

Personal Protection Equipment:

Avoid all unnecessary exposure.

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Special Note:

Personal Protective Equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

The selection of PPE is dependent on a full risk assessment. The risk assessment should consider the work situation, physical form of chemical, handling method and volume, environmental factors and area of application.

If the outcome of risk assessment is considerably low, still the manufacturer recommends to use minimum PPE stipulated by the chemical industry practices. Ex: Safety Glasses, Impervious Gloves

GLOVES, SAFETY GLASSES



If the handling volume is large and risk of spill exists, wear suitable protective clothing covers unprotected exposed skin area with an overall, safety shoes and a chemical resistant apron at all times to avoid any possible injuries.

Available information suggests that gloves made from natural rubber, nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odour	odourless
Bulk density	0.55 gm / cc
Flash point	Normally stable, neither combustible nor flammable
Flammable Limits	Non flammable

Chemical stability: This material is thermally stable when stored and used as directed.

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Excess heat and strong oxidising agents
Hazardous Reactions:	Dangerous reaction not known.
Hazardous Decomposition Products:	CO, CO ₂ oxides of nitrogen and other potentially toxic fumes.

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11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: Eye irritation may occur.

Sensitisation: No relevant information available.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: No information available.

Long-term aquatic hazard: No information available.

Eco toxicity: No information available.

Persistence and degradability: No information available.

Bio accumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

Dispose of contents/container in accordance with local regulations..

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

MARINE TRANSPORT

Product Name: GLY-PRO™ Tracer

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Danger

15. REGULATORY INFORMATION**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants) The Rotterdam Convention (Prior Informed Consent) Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

The information in this safety data sheet (SDS) is believed to be correct as of the date issued. This product was classified according to globally harmonised system of classification and labelling of chemicals (GHS) revision version 07.

Glycol Sales Australia/NZ makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade.

User is responsible for determining whether the product is fit for purpose and suitable for the user's method of use or application. Given the variety of factors that can affect the use and application of this product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.

For this reason, Glycol Sales Australia/NZ always recommends a user perform a test patch or trial in small scale or in an inconspicuous area prior to full application to limit possible damage. Testing before beginning any project is also the best way to ensure product effectiveness.

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