

Issue Date: 30/06/2025
 Last Revision Date: N/A
 Superseded Date: N/A
 Version Number: 01

SAFETY DATA SHEET

Product Code: **CSL2671305**

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SECTION 1 PRODUCT IDENTIFICATION

Product Name: Anti A Blood Grouping Reagent

This Safety Data Sheet is for the following products:

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

To detect A and B blood group antigens present on the surface of human red cells. For in vitro diagnostic use only.

SECTION 2 HAZARD IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.



Acute Toxicity (Oral) 4 H302 Harmful if swallowed.

Signal Word Warning

Hazard Statements

H302 Harmful if swallowed.

Precautionary Statements

- | | |
|-------------------------|---|
| P264 | Wash thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |
| P301+P312 IF SWALLOWED: | Call a POISON CENTER/doctor if you feel unwell. |
| P330 | Rinse mouth. |
| P501 | Dispose of contents/container in accordance with local/regional/national regulations. |

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 26628-22-8	Sodium azide	0.1%
CAS: 25102-12-9	glycine, N,N'-1,2-ethanediyldis[N-(carboxymethyl)-, dipotassium salt, dihydrate	<1%

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Non-Hazardous Components:

	Cell Culture Supernate	<30%
CAS: 7647-14-5	Sodium chloride	<5%
CAS: 9048-46-8	Albumins, blood serum	<5%
CAS: 129-17-9	Acid Blue 1	<1%
CAS: 1934-21-0	C.I. Acid Yellow 23	<1%
CAS: 7558-79-4	Phosphoric acid, disodium salt	<1%
CAS: 13472-35-0	Phosphoric acid, monosodium salt, dihydrate	<1%
CAS: 9005-64-5	Polysorbate 20	<0.1%

SECTION 4 FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. May be harmful if inhaled.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry powder, carbon dioxide, or foam.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and other toxic fumes.

Product is not flammable.

Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.

Minimise run-off from fire fighting measures entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear appropriate personal protective equipment. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Decontaminate the area with 1% sodium hypochlorite solution.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Store between 2 °C and 8 °C. Keep away from oxidising agents and acids.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards:

CAS: 26628-22-8 Sodium azide

WES	Peak limitation: 0.3 mg/m ³ , 0.11 ppm
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Engineering Controls:

Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Protective gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

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Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

SECTION 9

PHYSICAL/CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Anti A,B - clear
Odour:	Anti A - clear light blue Anti B - Clear light yellow
Odour Threshold:	Odourless
pH-Value:	No information available
Melting point/freezing point:	6.9-7.3
Initial Boiling Point/Boiling Range:	0 °C (as for water)
Flash Point:	100 °C (as for water)
Flammability:	No information available
Auto-ignition Temperature:	Not flammable
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure at 25 °C:	3.17 kPa (as for water)
Relative Density:	1.01
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Aqueous solution
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

SECTION 10

STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid: Store between 2 °C and 8 °C.

Incompatible Materials: Oxidising agents and acids.

Hazardous Decomposition Products: Oxides of carbon and other toxic fumes.

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SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity:

LD50/LC50 Values:

CAS: 26628-22-8 Sodium azide

Oral	LD50	27 mg/kg (rat)
	LD50	20 mg/kg (rabbit)
Inhalation	LC50	37 mg/m ³ (rat)

Acute Health Effects

Inhalation: May cause respiratory irritation. May be harmful if inhaled.

Skin: May cause skin irritation.

Eye: May cause eye irritation.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: Based on classification principles, the classification criteria are not met.

Acid Blue 1 is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

CAS: 26628-22-8 Sodium azide

EC50/48 h	4.2 mg/l (daphnia magna)
LC50/96 h	0.68 mg/l (Sepomis macrochirus)

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Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

SECTION 14 TRANSPORT INFORMATION

UN Number Not regulated
Proper Shipping Name Not regulated
Dangerous Goods Class Not regulated
Packing Group: Not regulated

SECTION 15 REGULATORY INFORMATION

Australian Inventory of Industrial Chemicals:

CAS: 7647-14-5	Sodium chloride
CAS: 9048-46-8	Albumins, blood serum
CAS: 129-17-9	Acid Blue 1
CAS: 1934-21-0	C.I. Acid Yellow 23
CAS: 7558-79-4	Phosphoric acid, disodium salt
CAS: 13472-35-0	Phosphoric acid, monosodium salt, dihydrate
CAS: 25102-12-9	glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, dipotassium salt, dihydrate
CAS: 9005-64-5	Polysorbate 20
CAS: 26628-22-8	Sodium azide

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

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SECTION 16 OTHER INFORMATION

Date of Preparation or Last Revision: 10.02.2025

Abbreviations and acronyms:

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants) Acute Toxicity (Oral) 4:
Acute toxicity – Category 4

END OF SDS