SAFETY DATA SHEET

E. coli H7 Latex Reagent

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation

Product name : *E. coli* H7 Latex Reagent **Code**

Trade name : *E. coli* H7 Latex Reagent PL079

Use of the substance/preparation : Pro-Lab *E. coli* H7 Latex reagent is an agglutination test reagent for use in identification of the H7 flagellar antigen.

Company/undertaking identification

Supplier/Manufacturer : Pro-Lab Diagnostics, 20 Mural Street, Unit 4, Richmond Hill, ON, Canada L4B 1K3 Tel: +1-905-731-0300 Fax: +1-905-731-0206 www.pro-lab.com

Emergency telephone number : +44 (0)151 353 1613 -Monday to Friday 9:00 am to 5:00 pm.
+44 (0)7714 429 646 -Outside the above hours.

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
Sodium azide **See section 16 for the full text of the R-phrases declared above**	26628-22-8	0 - 0.1	247-852-1	T+; R28 R32 N; R50/53

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn; R22

Human health hazards : Harmful if swallowed.

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

First-aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms appear.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

Skin contact : Wash with soap and water. Get medical attention if irritation occurs.

Eye contact : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Special exposure hazards : No specific hazard.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions and clean-up methods : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

If emergency personnel are unavailable, vacuum or carefully scoop up spilt material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Do not ingest. Wash thoroughly after handling.

Storage : Keep container tightly closed. Store between 2ºC (36ºF) to 8ºC (46ºF).

Packaging materials

Recommended : Use original container.

Specific uses : Not available.

8. Exposure controls/personal protection

Ingredient name	Occupational exposure limits
Sodium azide	**EH40-OES (United Kingdom (UK), 5/2003). Skin** STEL: 0.3 mg/m³ 15 minute/minutes. Form: All forms. TWA: 0.1 mg/m³ 8 hour/hours. Form: All forms.

Exposure controls

Occupational exposure controls : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Recommended: Disposable vinyl gloves.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Recommended: Safety glasses.

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Body: Recommended: Lab coat.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid. (Suspension.)

Colour : White.

Important health, safety and environmental information

pH : Neutral.

Relative density : The only known value is 1 g/cm³ (Water).

Solubility : Easily soluble in methanol, acetone.
Insoluble in cold water, hot water.

Other information

10. Stability and reactivity

Stability : The product is stable.

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : Harmful if swallowed.

Skin contact : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Sodium azide	LD50	27 mg/kg	Oral	Rat
	LD50	27 mg/kg	Oral	Mouse
	LD50	20 mg/kg	Dermal	Rabbit
	LD50	50 mg/kg	Dermal	Rat

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

Ingredient name	Species	Period	Result
Sodium azide	Daphnia pulex (EC50)	48 hour/hours	4.2 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	0.68 mg/l
	Lepomis macrochirus (LC50)	96 hour/hours	0.7 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	0.8 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	2.75 mg/l
	Oncorhynchus mykiss (LC50)	96 hour/hours	2.84 mg/l

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification : Not applicable.

European waste catalogue (EWC) : Not available.

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste.

14. Transport information

International transport regulations

Classification: ADR/ADNR/IMDG/IATA: Not regulated.

Label: Not applicable.

Additional information

15. Regulatory information

EU regulations

Hazard symbol/symbols :

Harmful

Risk phrases : R22- Harmful if swallowed.

Contains : Sodium azide 247-852-1

Product use : Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.
- Industrial applications.

EU statistical classification (Tariff Code) : 32089091

National regulations

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R28- Very toxic if swallowed.
R22- Harmful if swallowed.
R32- Contact with acids liberates very toxic gas.
R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK) : T+ - Very toxic
Xn - Harmful
N - Dangerous for the environment.

Training advice : Not available.

Recommended use and restrictions : Not available.

Further information : Not available.

Key data sources : Not available.

Revision comments : Not available.

History

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