

SAFETY DATA SHEET



Neomycin Supplement

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

Identification of the substance or preparation

Product name	: Neomycin Supplement	Code	PL.440
Trade name	: Neomycin Supplement		PL.440-2.5
	Neomycin Supplement		PL.440-3.0
	Neomycin Supplement		PL.440-6.0
	Neomycin Supplement		PL.440-8.0
	Neomycin Supplement		PL.440-10

Use of the substance/preparation : Neomycin Supplement is an antibiotic supplement for the selective isolation of clostridia and Gram-negative anaerobes.

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
Neomycin sulfate	1405-10-3	30 - 60	215-773-1	R42/43
Phosphoric acid, sodium salt	7558-79-4	30 - 60	231-448-7	Xi; R36/37/38
See section 16 for the full text of the R-phrases declared above				

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 : Xi; R36/37/38
R42/43

Human health hazards : Irritating to eyes, respiratory system and skin.
May cause sensitisation by inhalation and skin contact.

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

4. First-aid measures

First-aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.
- Skin contact** : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

5. Fire-fighting measures

Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : No specific hazard.
- Hazardous thermal decomposition products** : These products are sulphur oxides, phosphates. Some metallic oxides.
- 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** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : 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.

7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Do not breathe dust. Wash thoroughly after handling.
- Storage** : Keep container closed. Keep container in a cool, ventilated area. Storage temperature: 2-8°C (36-46°F).
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

Ingredient name	Occupational exposure limits
Phosphoric acid, sodium salt	EU OEL (Europe). TWA: 10 mg/m ³ 8 hour(s). Form: Particulate. TWA: 3 mg/m ³ 8 hour(s). Form: Respirable

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

- Occupational exposure controls** : Use only with adequate ventilation. If user operations generate dust, fumes, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Eye protection** : Safety glasses.
- Skin protection** : Lab coat.

Respiratory protection : Disposable particulate mask

Hand protection : Natural rubber (latex).



Hygiene measures : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. During formulation, follow good industrial hygiene practice.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

General information

Appearance

Physical state : Solid.

Colour : White.

Important health, safety and environmental information

pH : Neutral.

Melting point : 1000°C (1832°F) based on data for: Phosphoric acid, sodium salt.

Vapour pressure : The highest known value is <0.01 kPa (<0.1 mm Hg) (at 20°C) (Phosphoric acid, sodium salt).

Relative density : Weighted average: 1.64 (Water = 1)

Solubility : Partially soluble in cold water, hot water.

10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : Reactive with oxidizing materials and acids.

11. Toxicological information

Potential acute health effects

Inhalation : Irritating to respiratory system. May cause sensitisation by inhalation.

Ingestion : No known significant effects or critical hazards.

Skin contact : Irritating to skin. May cause sensitisation by skin contact.

Eye contact : Irritating to eyes.

Acute toxicity

Product/ingredient name	Test	Result	Route	Species
Neomycin sulfate	LD50	>8000 mg/kg	Oral	Mouse
	LD50	200 mg/kg	Dermal	Rat
Phosphoric acid, sodium salt	LD50	>2000 mg/kg	Oral	Rat
	LD50	>5000 mg/kg	Dermal	Rabbit

Potential chronic health effects

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.

12. Ecological information

Mobility : Not available.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, 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 and local authority requirements.

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

14. Transport information
Regulatory information

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

15. Regulatory information
EU regulations

Hazard symbol/symbols :



Harmful

Risk phrases : R36/37/38- Irritating to eyes, respiratory system and skin.
R42/43- May cause sensitisation by inhalation and skin contact.

Safety phrases : S22- Do not breathe dust.
S24- Avoid contact with skin.
S37- Wear suitable gloves.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains : Neomycin sulfate 215-773-1

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.

Other EU regulations

EU statistical classification (Tariff Code) : 32089091

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - United Kingdom (UK) : R36/37/38- Irritating to eyes, respiratory system and skin.
R42/43- May cause sensitisation by inhalation and skin contact.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK) : Xi - Irritant

History

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Version : 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.