

SAFETY DATA SHEET



Suplex & Diluent

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

Identification of the substance or preparation

Product name	: Suplex & Diluent	Code	
Trade name	: Suplex		PL.801A (PL.801)
	Diluent		PL.811 (PL.801)
	Suplex		PL.801-2.5
	Diluent		PL.811-2.5
	Suplex		PL.801-5.0
	Diluent		PL.811-5.0

Use of the substance/preparation : PRO-LAB Suplex is intended as a nutritional supplement to be added to basal medium to provide essential growth factors.

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
L-cysteine, hydrochloride, monohydrate	7048-04-6	60 - 100		Xi; R38, R41
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; R38, R41

Human health hazards : Irritating to skin.
Risk of serious damage to eyes.

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. Obtain medical attention if symptoms occur.
- Skin contact** : Wash with soap and water. Obtain medical attention if symptoms occur.
- 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.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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.
- 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. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Storage temperature: 2-8°C (36-46°F).
- Packaging materials**
 - Recommended** : Use original container.

8. Exposure controls/personal protection

- Exposure limit values** : Not available.
- 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** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Eye protection** : Safety glasses.
- Skin protection** : Lab coat.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- 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 : Pink. (Light.)

Important health, safety and environmental information

- Melting point** : 185°C (365°F) based on data for: L-glutamine. Weighted average: 158.77°C (317.8°F)
Relative density : The only known value is 1.54 (Water = 1) (d-Glucose).
Solubility : Easily soluble in cold water, hot water.

10. Stability and reactivity

- Stability** : The product is stable.
Materials to avoid : Reactive with oxidizing materials.
Hazardous decomposition products : These products are halogenated compounds, hydrogen chloride.

11. Toxicological information
Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.
Skin contact : Irritating to skin.
Eye contact : Severely irritating to eyes.

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 :


Irritant

Risk phrases :

 R38- Irritating to skin.
 R41- Risk of serious damage to eyes.

Safety phrases :

 S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S39- Wear eye/face protection.

Contains :

L-cysteine, hydrochloride, monohydrate

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) :

 R38- Irritating to skin.
 R41- Risk of serious damage to eyes.

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.

Version

1

 Authored by **KEMIKA**
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