SAFETY DATA SHEET

Envirobead™ - Peach

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

Identification of the substance or preparation

Product name : Envirobead™ - Peach **Code**

Trade name : Envirobead™ - Peach PL 603/100

Use of the substance/preparation : Autoclave deodorant to be used when autoclaving laboratory waste (one capsule per autoclave load).

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
Phenethyl alcohol Benzenepropanal,4-(1,1-dimethylethyl)- alpha -methyl- **See section 16 for the full text of the R-phrases declared above**	60-12-8 80-54-6	15 - 30 5 - 7	200-456-2 201-289-8	Xn; R22 Xn; R22 Xi; R38 N; R51/53

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 : R52/53

Environmental hazards : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

This material is harmful to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : These products are carbon oxides, nitrogen 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 and clean-up methods : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

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

7. Handling and storage

Handling : Avoid contact of spilt material and runoff with soil and surface waterways.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

Specific uses : Not available.

8. Exposure controls/personal protection

Exposure limit values : Not available.

Exposure controls

Occupational exposure controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection : A respirator is not needed under normal and intended conditions of product use.

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.
>8 hour/hours (breakthrough time): Natural rubber (latex).

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: Splash goggles.

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 contained in a gelatin capsule.

Important health, safety and environmental information

Boiling point : Weighted average: 232.93°C (451.3°F)

Melting point : Weighted average: -28.26°C (-18.9°F)

Flash point : Closed cup: 71°C (159.8°F).

Explosion Limits : The greatest known range is Lower: 0.9% Upper: 8.4% (Acetic acid, benzyl ester)

Vapour pressure : The highest known value is 0.1 kPa (1 mm Hg) (at 20°C) (Phenethyl alcohol).

Relative density : Weighted average: 0.97 g/cm^3

Solubility : Soluble in methanol, diethyl ether.
Very slightly soluble in n-octanol.
Insoluble in cold water, hot water.

Octanol/water partition coefficient : The product is more soluble in octanol.

Vapour density : Weighted average: 3.78 (Air = 1)

Other information

Auto-ignition temperature : The lowest known value is 310°C (590°F) (Propylene glycol).

10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : Reactive with oxidizing materials, reducing materials, acids and alkalis.

Hazardous decomposition products : These products are carbon oxides, nitrogen oxides.

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 : No known significant effects or critical hazards.

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Phenethyl alcohol	LD50	1790 mg/kg	Oral	Rat
	LD50	2540 mg/kg	Oral	Mouse
	LD50	2540 mg/kg	Oral	Guinea pig
Benzenepropanal,4-(1,1-dimethylethyl)- alpha -methyl-	LD50	1390 mg/kg	Oral	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.

Target organs : Contains material which causes damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea.
Contains material which may cause damage to the following organs: central nervous system (CNS).

Other adverse effects : Not available.

12. Ecological information

Mobility : Not available.

Other adverse effects : Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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

Risk phrases : R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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) : R22- Harmful if swallowed.
R38- Irritating to skin.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53- Harmful 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) : Xn - Harmful
Xi - Irritant
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

Date of issue : 06/30/2005

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.