

Material Safety Data Sheet

Issue date: March 2010

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: E-45 Drain & Odour Treatment.

Codes:

Use: Drain and Grease Trap treatment.

Emergency number Mon-Fri 9am -5pm

Tel: +61 2 9736 2022

Manufacturer:

Derivan HealthClean Pty. Ltd.

ACN 141 621 169

23 Leeds Street

Rhodes 2138

AUSTRALIA

Tel: +61 2 9037 0650

2. HAZARDS IDENTIFICATION

Hazard Classification: Non-hazardous. Non-dangerous Goods.

According to the Criteria of NOHSC and the ADG Code.

Hazard Category: None allocated as non hazardous.

Risk Phrases: None allocated as non hazardous.

Safety Phrases: None allocated as non hazardous.

Warning Statement: No particular hazards associated with this product.

3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	PROPORTION	CAS NUMBER
Water	> 60%	7732-18-5
Micro-Organisms, Bacteria, Enzyme Blend**	30 - 60%	Proprietary
Fragrance	< 10%	

** **ONLY Class 1 Non-Pathogenic** The microorganisms used in this product are Class 1 microorganisms. Class 1 microorganisms are defined by the Centres for Disease Control as not likely to cause disease in healthy humans and animals. However, persons who have a compromised Immune System should avoid contact with open wounds and/or breathing dust or mist from manufacturing processes.

4. FIRST AID MEASURES

If in doubt, contact a poisons information centre (Aust. ph 131126 : NZ 0800 764 766) or a doctor.

Eyes: Immediately flush with plenty of water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.

Skin: If irritation occurs remove contaminated clothing and footwear. Wash material off the skin with plenty of water. Wash clothing and footwear before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air and if breathing is difficult, provide oxygen and seek medical attention.

Ingestion: Watch for signs of illness. Get medical attention. Induce vomiting only if advised by physician.

ADVICE TO DOCTOR: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use water, dry chemical, carbon dioxide or foam.

Unusual Fire and Explosion Hazards: No particular fire and explosion hazards associated with this product.

Warning Statement: None

Hazchem Code: None allocated.

Flammability: This material is not flammable.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Avoid contact with skin and eyes. Material may be slippery when spilt. Walk cautiously. Ventilate area.

Dangerous Goods - Not applicable.

Methods and Materials for Containment and Clean-up Procedures: In case of gross spillage wear protective equipment to prevent skin and eye contact. Bund area using dry sand or other inert materials to prevent run off into drains and waterways. Pump or scoop any free liquid into an appropriate container for disposal. Clean up spill area with absorbent dry sand, vermiculite or other inert material. Collect and seal in properly labelled container(s) for disposal as per local regulations. Do not flush to drains, waterways or sewers.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid direct contact with eyes or prolonged contact skin. Wear appropriate protective equipment to prevent eye contact. Handle and use in accordance with good occupational hygiene and safety practice.

Conditions for Safe Storage: Store in an area that is cool, dry and out of direct sunlight with adequate ventilation. Store away from materials or products which react with water. Keep containers closed, when not using the product. Storage in original containers is recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: No exposure standards are available for this product.

Biological Limit Values: Not known.

Engineering Controls: In most circumstances natural ventilation systems are adequate.

Personal Protection Equipment:

Eye/Face Protection: Safety glasses with side shields, goggles or full-face shield as appropriate are recommended for any chemical use. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337

Respiratory Protection: None required for recommended use. Where breathing apparatus is required, use either respirator with organic/ammonia cartridge, or a Self-Contained Breathing Apparatus (SCBA) with positive air supply. All breathing apparatus to comply with AS/NZS 1715/1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid

Odour: Perfumed

Boiling Point: ~100°C

Vapour Pressure: Equivalent to water

Specific Gravity: 1.00

Flash Point: Non Allocated – Non Combustible.

Flammability Limits: Not applicable.

Solubility in Water: Infinite.

pH: 4.5 – 5.5

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal storage and handling conditions.

Hazardous Decomposition Products: Sulphur dioxide and hydrogen sulphide.

Hazardous Reactions: Hazardous polymerization will not occur.

Incompatible Materials: None known.

Conditions to Avoid: Strong acids or alkali compounds may inactivate biological cultures.

11. TOXICOLOGICAL INFORMATION

No adverse health effects are expected, if the product is handled in accordance with this Material Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Acute Health Effects:

Ingested: May cause abdominal pain and vomiting.

Eye: May cause eye irritation.

Skin: May cause mild skin irritation after prolonged contact.

Inhaled: May cause mild irritation to the nose, throat and respiratory tract.

Chronic Health Effects:

In some susceptible individuals possible dermatitis may occur after repeated or prolonged skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Non toxic to aquatic life. After this product's use, it will readily biodegrade in sewage systems and/or the environment. All ingredients are non-polluting. Contains no nonyl phenol ethoxylates or alkyphenol ethoxylates (APE). This product contains no ozone-depleting chlorinated compounds as specified by the Montreal Protocol. No VOCs. This product contains no paradichlorobenzene 1,4-dioxane, sodium hypochlorite, NTA or sodium EDTA.

Mobility: Not known.

Persistence / Degradability: The ingredients are readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: No special method. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials.

Container Handling and Disposal: When containers are empty, residue can be washed out and the containers disposed of via general/household recycling stream.

14. TRANSPORT INFORMATION

UN Number: None allocated

UN Proper Shipping Name: None allocated

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Road and Rail Transport (ADG): Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) for transport by road and rail.

Marine Transport (IMO/IMDG): Not classified as a Dangerous Good according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

Air Transport (ICAO-IATA): Not classified as a Dangerous Good according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. Note: May vary from country to country.

15. REGULATORY INFORMATION

SUSDP: not scheduled

Inventory Status:

Australia (AICS) All ingredients are on the inventory or exempt from listing.

United States (TSCA) All ingredients are on the inventory or exempt from listing.

16. OTHER INFORMATION

Date of Preparation: 2.3.2010

Issue date: 4.2.2010

Reasons for Update: New Product.

Key Legend Information:

NOHSC - National Occupational Health & Safety Commission

ADG Code - The Australian Dangerous Goods for the Transport of Dangerous Goods by Road and Rail, (ADG Code)

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

EPA - Environmental Protection Agency

Principal References:

- The National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition
- NOHSC:2011(2003)
- Standard for the Uniform Scheduling of Drugs and Poisons No. 21 Effective date 1 June 2006
- National Exposure Standards for Atmospheric Contaminants in the Occupational Environment
- [NOHSC:1003(1995)]
- The Australian Dangerous Goods for the Transport of Dangerous Goods by Road and Rail, (ADG Code).

Disclaimer:

The above information is accurate to the best of the knowledge available to us. However, since data, safety standards and Government regulations are subject to change, and the conditions of handling and use (or misuse) are beyond our control, we make no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein AND disclaim all liability for reliance thereon. Users should satisfy themselves that they have all data relevant to their particular use.

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