

NIGHTINGALE MEDICAL PRODUCT SAFETY DATA SHEET LD3 PEROXIDE DESTAINER

1. PRODUCT AND COMPANY IDENTIFICATION

Product / trade name: LD3 Peroxide Destainer.

Supplier: Trichem South Ltd.
33E Hobbs Industrial Estate,
New Chapel,
Lingfield, Surrey. RH7 6HL.

Emergency contact office hours : 01342-835638.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	%	CAS No	EINECS No.
Aqueous solution of Hydrogen peroxide With stabilisers for increased shelf life.	18 – 22	7722-84-1	231-765-0

3. HAZARD IDENTIFICATION

Causes burns Laundry Destainer contains a powerful oxidising agent. It is very corrosive to body tissue causing rapid, painful damage. Will contribute to combustion of other materials. May cause violent sometimes explosive reactions

4. FIRST AID MEASURES

Eye Contact : Flush with water for 15 minutes while holding the eyelids open. SEEK URGENT MEDICAL ATTENTION.

Skin Contact : Remove contaminated clothing and wash skin with plenty of water. Wash clothing immediately to prevent fire risk. Seek medical advice.

Ingestion : If conscious, give plenty of water to drink and OBTAIN URGENT MEDICAL ATTENTION. There is a risk of gas embolism: Keep quite, warm and laying down.

Inhalation: Not normally a problem, if effected remove to well ventilated area. If recovery is not rapid seek medical attention

5. FIRE FIGHTING MEASURES

Extinguishing Media : High volume water spray. Keep containers cool with water spray. Laundry destainer is not flammable but can enhance combustion.

Special Hazards : Decomposes to produce oxygen and therefore increase fire intensity. Wear full protective clothing and apparatus. Decontaminate clothing before removal.

Unsuitable Media : Dry Chemical or Foam.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions :	Maximum protection is advisable. Goggles, PVC gloves, rubber boots and apron is a recommended minimum.
Environmental precautions :	Contain spillage, but do not use any flammable substance e.g. Saw dust. Prevent entry to watercourses.
Methods of cleaning.	Vacuum into a clean tank or soak up with soil or sand. Collect into a clean plastic container, which must be vented to prevent pressure build up. Do not return to the original container. Wash away traces remaining.
Minor Spillage :	Wash away with water.

7. HANDLING AND STORAGE

Handling :	Laundry Destainer should only be handled by trained personnel. Do not use near sources of ignition. or reactive or organic materials.
Storage :	Store in a cool, clean area away from direct sunlight. Stores should be of non combustible material. All containers must be vented & should be stainless steel aluminium or heavy duty plastic
General :	Water should be available. Contamination may cause rapid decomposition.

8. EXPOSURE CONTROLS

Exposure Limits :	OES Long term 1 ppm	OES Short term 2 ppm
Engineering Measures :	The product must not be confined unvented. Avoid generating spray or use LEV.	
Respiratory Protection :	Use a suitable respirator if necessary .	
Skin Protection :	Wear suitable rubber or PCV coated gloves.	
Eye protection :	Goggles are essential. Use face shield if splashing is likely.	
Other Protection :	PVC apron. Cotton or leather can be a fire risk	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Clear colourless liquid.
Odour :	Slightly Pungent.
pH :	1 @ 4%
Boiling Point :	105 ⁰ C.
Melting / Freezing point :	30 ⁰ C.
Flash Point :	Not Flammable.
Vapour Pressure :	23@ 30 ⁰ C (35%)
Relative Density :	1.131 @ 20 ⁰ C (35%)
Solubility in water :	Completely soluble.

10. STABILITY AND REACTIVITY

Stability :	Decomposes slowly to Water and Oxygen.
Materials to avoid :	Alkaline substances (eg Caustic Soda). Iron Oxides (rust). Copper, Nickel, Chromium, Manganese which catalyse decomposition. Any organic materials
Conditions to avoid :	Heat and exposure to sunlight.
Hazardous Decomposition products :	Oxygen. (fire and Health Risk)

1. TOXICOLOGICAL INFORMATION

Toxicity :	LD ₅₀ 1700 mg/kg 35%
Inhalation :	Mist and spray are irritating to the mucous membranes. Extended respiration may cause lung oedema.
Eye contact :	Rapid corrosive damage will occur effects can be delayed by a week or more
Skin contact :	Brief contact causes stinging pain and whitening of the skin. Severe erythema & necrosis will result if treatment for long contact is delayed.
Ingestion :	Corrosive damage to mouth, throat and digestive tract. Rapid release of Oxygen may cause gastric ingestion.
Chronic Effects :	Acute effects predominate

12. ECOLOGICAL INFORMATION

Biodegradability :	Totally and rapidly degraded. Bio accumulation unlikely.
Mobility :	Water soluble.
Environmental hazard :	Toxic. LC50 fish 96 hours 16/37 mg/l. EC 50. Daphnia 2.4 – 7.7 mg /lt. Acute toxicity Algae > 1.7 mg/l.

13. DISPOSAL CONSIDERATIONS

Product :	Authorised waste contractor to approved site observe all local and national codes of practice and regulations.
Container :	Wash out thoroughly and treat as general waste.

14. TRANSPORT INFORMATION

UN Number :	2014.	Class :	5	Oxidising.
Packaging Group :	II.	RID/ADR :	Class 5.	
IMO class :				
IMDG Code Page Number :	5.1 II (8) IMDG Page 5151.			

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELING ACCORDING TO EEC DIRECTIVES

Classification :	OXIDISING & CORROSIVE.
Risk Phrases :	R8 Contact with combustible material may Cause fire. R 34 Causes Burns.
Safety phrases :	S 1/ 2 Keep locked up and out of the reach of children. S 3 Keep in a cool place. S28 After contact with skin, wash immediately with plenty of water. S36/39 Wear suitable protective clothing, and eye/ face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
Applicable Legislation :	Health & Safety at Work Act 1974 (HSWA): Environmental Protection Act 1990: COSHH Regulations 1994. CHIP regulations 1994.