



DM-1 Spray Can
ELECTRODRY PTY LTD

SDS - GHS/1 COMPLIANT
2019

1. IDENTIFICATION OF SUBSTANCE & SUPPLIER

PRODUCTNAME: ELECTRODRY ANTI DUST MITE / BED BUG SPRAY

OTHER NAMES: DM-1 Spray

USE: Dust Mite Inhibitor

COMPANY NAME: KleenHealth Australia Pty Ltd

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EMERGENCY ADVICE: Poisons InformationCentre13 11 26

2. HAZARD IDENTIFICATION

Statement of Hazardous Nature:

This product is classified as hazardous according to the criteria of SWA

ADG Classification:

Classified as a dangerous good according to ADG code.

SUSMP Classification: None allocated

HazChem Code: 2YE

UN Number: 1950

GHS Signal Word: DANGER



Hazard Categories:

Flammable Aerosols	Category 1
Sensitizing, skin	Category 1
Aspiration Hazard	Category 1

Hazard Statement:

Extremely flammable aerosol.
May be fatal if swallowed and enters airways.
May cause allergic skin reaction.
May cause drowsiness or dizziness.

Prevention Precautionary Statements:

P102: Keep out of reach of children
P264: Wash contacted areas thoroughly after handling.
P280: Wear protective gloves, protective clothing and eye or face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking. Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Avoid breathing dust/fume/gas/mist/vapours/spray.

Response Precautionary Statements:

P301 & P310: If swallowed immediately call POISON CENTRE, Doctor or physician
P331: Do not induce vomiting.
P302 & P352: Wash with plenty of water
P332+P313: If skin irritation occurs: Get medical advice.
P337+P313: If eye irritation occurs: Get medical attention.

Storage Precautionary Statements:

P405: Store locked up.
P410: Protect from sunlight
P412: Do not expose to temperatures exceeding 50C
Do not puncture can.

Disposal:

P501: If they cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill

EMERGENCY OVERVIEW

Physical Description:	Aerosol Spray
Odour:	Slight Fuel like Odour
Major Health Hazards:	Aspiration Hazard

3. COMPOSITION/INFORMATION OF CONSTITUENTS

<u>CONSTITUENT</u>	<u>CAS#</u>	<u>PROPORTION</u>	<u>TWA</u> <u>ppm</u>	<u>STEL</u> <u>ppm</u>
Propane/ Butane blend	68475-59-2	30 - 60%	1990	Not Set
Ethanol	64-17-5	30 - 60%	1880	Not Set
Other constituents deemed non-hazardous		to 100%	Not Set	Not Set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous constituents are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. FIRST AID MEASURES

Swallowed:

DO NOT induce vomiting give fresh water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Eyes:

Flush eyes with copious amounts of water for 15 minutes. Seek medical attention.

Skin:

Remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use. Seek medical advice if effects persist.

Inhaled:

Remove affected person from exposure to fresh air. If breathing becomes difficult give oxygen. If not breathing apply artificial respiration. Seek prompt medical assistance.

Advice to Doctor:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

This material is non-flammable, use extinguishing media for surrounding fire situation.

Specific Hazards:

Nil.

Fire Fighting Precautions:

Firefighters should wear full protective clothing & self-contained breathing apparatus to minimize exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Remove undamaged containers from the area when safe to do so.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal:

Material may be slippery when spilt. Wear full protective clothing when attending spills. Prevent entry into the sewer, drainage system & waterways. Contain & collect with inert absorbent material such as sand or soil. Ensure disposal conforms to local waste disposal conditions.

7. HANDLING AND STORAGE

Storage & Transport:

Store in a cool, dry, well ventilated area. Keep containers closed when not in use.

Handling:

Repeated or prolonged exposure to product with-out protective clothing should be avoided to prevent possible tissue damage. It is essential that those who come into contact with the product maintain a good standard of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

All chemical exposure should be kept to a minimum.

Engineering Controls:

Provide sufficient ventilation. Use exhaust ventilation if required.

Personal Protection:

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory Equipment:

AS/NZS 1715, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501 set 2008**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits	TWA (mg/m3)	STEL (mg/m3)
Propane/ Butane blend	1900	Not set
Ethanol	1880	Not set

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Ventilation:

No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

Eye Protection:

Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection:

Prevent skin contact by wearing impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered. See below for suitable material types.

Protective Material Types:

We suggest that protective clothing be made from the following materials: rubber, PVC, Viton.

Flammability:

Product is flammable

9. IDENTIFICATION**PHYSICAL DESCRIPTION/CHEMICAL PROPERTIES**

Appearance:	Aerosol spray
pH:	N/A
Vapour Pressure(mmHg @20°C):	240kPA @ 16°C
Vapour Density (air = 1):	
Boiling Point:	0°C Butane
Freezing/Melting Point:	N/A
Solubility In Water:	Miscible
Specific Gravity(gm/ml @20°C):	0.78-0.8
Flash Point:	-60°C Butane
Flammability Limits (%):	N/A
Auto Ignition Temperature:	N/A
Percent volatiles:	N/A

10. STABILITY AND REACTIVITY**Stability:**

Stable under normal conditions of use & storage.

Materials to Avoid:

No particular incompatibles.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects:

Acute Toxicity:

(Calculated / estimated)

Oral: LD50 >5000 mg/kg-bw

Dermal: LD50 >2000 mg/kg-bw

Inhalation: LC0 5.28 mg/l (Vapor), 4-hr.

Rat: May cause drowsiness or dizziness.

Irritation/Corrosives Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization: It is not a skin sensitizer.

Repeated dose toxicity Oral: NOEL 750 mg/kg

Dermal: NOEL 0.5 ml/kg bw

Inhalation: NOEL 1000 mg/m³

Carcinogenicity It is unlikely to present a carcinogenic hazard to man

POTENTIAL HEALTH EFFECTS

Inhalation:

Short Term Exposure:

Avoid breathing fumes and vapours.

Long Term Exposure:

No data for health effects associated with long term inhalation if product handled correctly and used in accordance with the application purpose.

Skin Contact:

Short Term Exposure:

This product is a skin irritant. Symptoms may include itchiness and reddening of contacted skin. Other symptoms may also become evident, but if treated promptly, all should disappear once exposure has ceased.

Long Term Exposure:

No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure:

Material should not be allowed to contact eyes. This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment may cause permanent damage.

Long Term Exposure:

No data for health effects associated with long term eye exposure.

Ingestion:**Short Term Exposure:**

Significant oral exposure is considered to be unlikely. However, this product is an oral irritant. Symptoms may include burning sensation and reddening of skin in mouth and throat. Other symptoms may also become evident, but all should disappear once exposure has ceased.

Long Term Exposure:

No data for health effects associated with long term ingestion.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

12. ECOLOGICAL INFORMATION**Eco Toxicity:**

Product harmful to aquatic organisms. Do not allow product to enter sewers, drains or waterways.

13. DISPOSAL CONSIDERATIONS**Disposal Methods:**

Ensure disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

This product is classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria.

UN Number:	1950
Proper Shipping Name:	Aerosols Flammable.
D/G Class:	N/A
Subsidiary Risk:	2.1
Packing Group:	111
HazChem Code:	2YE
Special Precautions for User:	Nil

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

16. OTHER INFORMATION

Date of Preparation: 27/08/2019
Issue Date: 16/10/2019
Supersedes: All previous versions
Reason for Update: GHS compliance

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its intended use, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this product.

GLOSSARY

N/A NOT APPLICABLE
N.A. NONE ALLOCATED
N/A. NOT AVAILABLE