

SAFETY DATA SHEET

Section 1: Identification of the Material and Supplier

Product name: ELECTRO-SHIELD Carpet and Upholstery

Other names: Carpet and Upholstery Sanitiser

Recommended use: Textile fabric and Fibre Treatment

Suppliers: Kleenhealth Australia Pty Ltd

Street address: 18/51 Kalman Drive Boronia Victoria 3155

Telephone: +61 3 9720 9999

Email: info@kleenhealth.com.au

POISON INFORMATION CENTRE: 13 11 26 Anywhere in Australia

Section 2: Hazard Identification

Hazardous classification:

Not classified as HAZARDOUS according to the criteria of Work Safe Australia (WSA)

GHS Signal Word:

Not Classified as Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code)

SUSMP Classification: N/A

ADG Classification: N/A

UN number: N/A

Section 2 Hazard statement:

H303 May be harmful if swallowed

H315 Causes skin irritation. Category 2

H317 May cause allergic skin reaction Category 1

H318 Causes serious eye damage. Category 1

PREVENTION:

P102 Keep out of reach of children

P262 Do not get in eyes, on skin or on clothing

P264 Wash thoroughly after handling

P270 Do not eat drink or smoke when using this product.

P273 Avoid release to environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

RESPONSE:

P314 Get medical attention if feeling unwell

P363 Wash contaminated clothing before reuse

P301 +P330+P331 If SWALLOWED Rinse mouth DO NOT induce vomiting

P303+P361+P353 If on SKIN or HAIR, take off all contaminated clothing. Rinse skin with water/shower

P304+P340 If INHALED remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, continue rinsing.

P370+P378 In case of fire use water spray, foam, carbon dioxide or dry powder chemicals

STORAGE:

P411 Store at temperature not exceeding 38C

P402 Store in a dry place

P404 Store in closed container.

DISPOSAL

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

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EMERGENCY OVERVIEW

Physical description and colour:

Free flowing opaque liquid

Odour:

Characteristic Spicy Odour

Major Health Hazards:

Causes burns, harmful if swallowed.

Section 3 Composition/information of ingredients

Chemical entity	CAS #	Conc.	TWA (mg/m3)	STEL (mg/m3)
Benzalkonium Chloride	68424-85-1	<10%	Not set	Not set
Butyl Carbitol	112-34-5	<30%	67.5	101.2

Other non-hazardous ingredients Commercial secret

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

The 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 should not be exceeded for more than 15 minutes and should not be repeated for 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.

Section 4 First Aid Measures**General Information:**

You should call the Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. 13 11 26 anywhere in Australia Have this SDS with you when calling.

Swallowed:

Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Eyes:

Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. In case of contact with eyes, flush eyes with plenty of water for at least 30 minutes. Chemical burns must be treated promptly by a physician.

Skin:

In case of contact, flush skin with plenty of water for at least 30 minutes. Get medical attention immediately. Immediately remove contaminated clothing and shoes. Wash with plenty of soap and water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. Wash off with polyethylene glycol and afterwards with plenty of water. If polyethylene glycol is not available, wash off with plenty of soap and water. Wash clothing and shoes before reuse.

Inhaled:

Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration, or oxygen by a trained professional, using a pocket type respirator

Advice to Doctor: Treat symptomatically.

5. Firefighting measures

Fire and Explosion Hazards:

This product is classified as a C1 combustible product. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media:

Try to contain spills, minimise spillage entering drains or water courses.

Fire Fighting:

If a significant quantity of this product is involved in a fire, call the fire brigade. There is little danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.

Flash point: >100°C,

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Auto ignition temperature: No data.

Flammability Class: C1

6. Accidental release measures

Accidental release:

In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. All skin areas should be covered. See below under Personal Protection regarding Australian Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, PVC. Eye/face protective equipment should comprise as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the clean-up area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8). Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

7. Handling and storage

Handling:

Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. Repeated or prolonged exposure to product without 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.

The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage:

Note that this product is combustible and therefore, for Storage, meets the definition of Dangerous Goods. Store packages of this product in a cool place. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

8. Exposure controls / 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**.

Ventilation:

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eye Protection:

Chemical splash goggles or face shield.

Skin Protection:

Chemical-resistant gloves.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, Viton, nitrile, butyl rubber, Barricade, neoprene, Teflon, polyethylene, PE/EVAL, Saranex, Responder.

Respirator:

When high levels of vapors or aerosols are not controlled by local ventilation, respiratory protection is recommended. Recommended: NIOSH approved, air-purifying organic vapor respirator. For emergency and other conditions where the exposure limits may be greatly exceeded, use an approved, positive pressure self-contained breathing apparatus or supplied air. Observe OSHA regulations for respirator use (29 CFR 1910. 134)

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

9. Identification

PHYSICAL DESCRIPTION /CHEMICAL PROPERTIES

Appearance: Clear liquid

pH: 7.5 – 8.5

Boiling Point: 100C

Freezing/Melting Point:

Vapour Density (air=1)

Vapour Pressure (mg Hg @ 20C)

Solubility in Water: Miscible in water

Specific Gravity 0.98

Flash Point:

Flammability Limits (%):

Auto Ignition Temperature:

Percent Volatiles:

10. Stability and reactivity

Reactivity:

This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid:

This product should be kept in a cool place, preferably below 25°C. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Incompatibilities:

Strong acids, strong bases, strong oxidising agents.

Fire Decomposition:

Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation:

This product will not undergo polymerisation reactions.

Materials to Avoid:

Strong acids, strong bases, strong oxidising agents.

11. Toxicological information

Local effects:

Target organs:

There is no data to date indicating targeting specific organs.

12. Ecological information

Effects on aquatic organisms:

Product is very toxic to aquatic organisms not readily biodegradable. Has bioaccumulation potential readily absorbed into soil. Benzalkonium Chloride EC50 (48hours) *Daphnia Magna* = 0.016mg/L

13. Disposal considerations

Disposal:

Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site. DO NOT dispose into sewers or waterways.

14. Transport information

Not Classified as Dangerous Goods

According to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

UN Number:

1903 Disinfectant Liquid Corrosive N.O.S.,

D/G Class:

Class 8: Corrosive liquid.

Packing Group: 11

Haz Chem Code: 2X

15. REGULATORY INFORMATION

Poison Schedule: S6

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

All of the significant ingredients in this formulation are mentioned in the SUSMP.

16. Other information

Date of preparation: April 3rd, 2020

Issue date: April 9th, 2020

Supersedes: First edition

Reason for update: First edition

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.