

Infosafe No™ VAR5C	Issue Date : March 2012	ISSUED by HUNTERST
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Product Name **DEODORANT BUTTONS**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	DEODORANT BUTTONS
Company Name	Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)
Address	60 Gleadow Street INVERMAY TAS 7248 Australia
Emergency Tel.	0407 610 542
Telephone/Fax Number	Tel: 03 6431 9627 Fax: 03 6432 2083
Recommended Use	As a deodorant and air freshener in washrooms, toilets and urinals. To destroy moths, silverfish and their larvae in wardrobes, linen chests and drawers.

2. HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous according to criteria of NOHSC HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s)	Classified as hazardous according to criteria of NOHSC R36 Irritating to eyes. R40(3) Possible risk of irreversible effects. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety Phrase(s)	S2 Keep out of reach of children. S36/37 Wear suitable protective clothing and gloves. S46 If swallowed, seek medical advice immediately and show this container or label. S60 This material and its container must be disposed of as hazardous waste. S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Other ingredients determined not to be hazardous	Not required	to 100%
	1,4-Dichlorobenzene	106-46-7	99%

4. FIRST AID MEASURES

Inhalation	Remove source of contamination or move victim to fresh air. Obtain medical attention immediately.
Ingestion	If swallowed, do NOT induce vomiting. Seek immediate medical attention.
Skin	Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with water and non-abrasive soap. If irritation persists, obtain medical attention. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
Eye	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, by the clock, holding the eyelid(s) open. If irritation persists, obtain medical attention immediately.
Advice to Doctor	Product is p-dichlorobenzene. Irritating to skin and eyes. Harmful if swallowed in large quantities. Contact Poisons Information Centre.
Other Information	Provide general supportive measures (comfort, warmth, rest). Consult a physician and/or the nearest Poison Control Centre for all exposures except minor instances of inhalation or skin contact.

5. FIRE FIGHTING MEASURES

Specific Hazards	FIRE EXTINGUISHING AGENTS Carbon dioxide, dry chemical, foam FIRE FIGHTING PROCEDURES Water is not generally suitable for fighting fires involving this material. Water spray can be used to absorb heat, keep containers cool, and
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protect exposed materials. COMBUSTION PRODUCTS Carbon dioxide, carbon monoxide, hydrogen chloride, and phosgene. Firefighters to wear breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal PRECAUTIONS Restrict access to area. Provide adequate protective equipment and ventilation. Remove sources of heat and flame. Only trained personnel should perform or supervise cleanup operations. CLEANUP Stop or reduce discharge if it can be done safely. Contain material. Material should be recovered if possible or collected on absorbent material such as sawdust, paper, sand, or clay. Prevent entry into water or sewer systems. Marine pollutant. DISPOSAL Review federal, state and local regulations prior to disposal. May be possible to dispose of in a designated landfill site or burn in an approved incinerator. Dispose of following requirements of state environmental authority. Keep away from heat, naked flame or sparks. Do not flush to drains or sewers. Do not contaminate stream, rivers or water courses. Inform local authority if liquid enters drains, sewers, streams etc.

7. HANDLING AND STORAGE

Conditions for Safe Storage STORAGE CONDITIONS Store in tightly-closed containers in a cool, dry place, separate from normal work area and incompatible materials. Protect containers from damage or breakage. Containers should be covered when not in use and away from naked flames. HANDLING Use in minimal quantities, in designated areas with adequate ventilation. Wear appropriate protective equipment to prevent skin and eye contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	1,4-Dichlorobenzene	661	110	451	75	
Other Exposure Information	(TLV-TWA) 25 ppm (150 mg/m3) SHORT-TERM EXP. LIMIT (TLV-STEL) 50 ppm (300 mg/m3), Worksafe Aust. SAMPLING & ANALYSIS DETECTOR TUBES: Short-term sampling GAS CHROMATOGRAPHY: Continuous monitoring. EXPOSURE CONTROL Note: Exposure to this material can be controlled in many ways. The measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure. Use this general information to help develop specific control measures. Ensure that control systems are properly designed and maintained. Comply with occupational, environmental, fire, and other applicable regulations.					
Engineering Controls	ENGINEERING CONTROLS Process enclosure or containment facility is normally required when used in large quantities. Supply sufficient replacement air to make up for air removed by exhaust systems.					
Personal Protective Equipment	Avoid contact with skin and eyes. Avoid breathing concentrated vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:- Normal Use: Eye/face protection Gloves, rubber or plastic. Industrial Quantities: Positive pressure air-hood or full face respirator Face shield or safety glasses Gloves, rubber or plastic Plastic apron, sleeves and boots Impervious overalls. Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.					

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Solid

Appearance Blue crystals or blocks.

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Odour	Characteristic odour.
Melting Point	53 deg C (127.4 deg F)
Boiling Point	173.4 deg C (344.1 deg F)
Solubility in Water	Insoluble
Solubility in Organic Solvents	Soluble in ethanol, benzene, ether, chloroform, carbon disulfide, and acetone.
Specific Gravity	(SG) 1.248 (water = 1)
Vapour Pressure	0.4 mm Hg @ 20 deg C
Vapour Density (Air=1)	5.07 (air = 1)
Flash Point	65.6 deg C (150 deg F) (closed cup)
Flammability	Combustible.
Auto-Ignition Temperature	412.8 deg C (775 deg F)
Explosion Properties	(LEL) 2.5% - (UEL) 16%
Other Information	Sublimes slowly at normal temperatures, faster as the temperature increases.

10. STABILITY AND REACTIVITY

Hazardous Reactions STABILITY Normally stable to heat, light, air, water, acids and bases. INCOMPATIBILITY -MAT'LS TO AVOID Strong oxidizing agents - may increase risk of fire and explosion. HAZARDOUS POLYMERIZATION Does not occur. REACTIVITY COMMENTS Liquid p-dichlorobenzene may attack some forms of plastics (e.g., styrene acrylonitrile, acrylonitrile-butadiene-styrene), rubber and coatings. CORROSIVITY TO METALS Non-corrosive

11. TOXICOLOGICAL INFORMATION

Toxicology Information ANIMAL TOXICITY DATA LD50 (oral, rats): 500 mg/kg LD50 (oral, mice): 2,950 mg/kg LD50 (oral, rabbits): 2,812 mg/kg CHRONIC ORAL TOXICITY: Rats fed 376 mg/kg, 5 days per week for a total of 138 doses in 192 days, showed slight signs of toxicity (increase in liver weight and a slight increase in kidney weight). Rats fed 18.8 mg/kg body weight for the same time period showed no effects. Rabbits fed 0.5-1 g/kg body weight per day for 260 days had no abnormalities of the optic nerves or retina of the eyes. INHALATION: Rabbits, rats and guinea pigs exposed to 798 ppm, 5 days per week, 7 hours per day, for up to 69 exposures showed weakness, tremors, weight loss, eye irritation, and some became unconscious. Slight swelling of liver and kidneys occurred in some animals. More detailed information about the effects of chemicals on health can be obtained from Worksafe Australia.

Inhalation Moderate exposure may cause severe headache, runny nose, and swelling of the eyes. These effects disappear within 24 hours after exposure has ceased.

Ingestion Unlikely to occur during occupational exposure.

Skin Direct contact with the solid form may cause a burning sensation and slight irritation. Not absorbed through skin.

Eye Vapour may cause eye irritation

Chronic Effects HEALTH EFFECTS SKIN: Repeated or prolonged contact with concentrated vapours or solutions of 1,4-dichlorobenzene may cause skin irritation. Allergic reaction may develop and produce red blotching of skin. Prolonged exposure may result in loss of appetite, nausea, vomiting, weight loss, liver damage, lung damage, and yellowing of the skin. CARCINOGENICITY Cat.3 Carcinogen. Possible risk of irreversible effects. TERATOGENICITY AND EMBRYOTOXICITY No data MUTAGENICITY No data POTENTIAL FOR ACCUMULATION Absorbed into the body by inhalation or ingestion. Not absorbed through skin. Eliminated in the urine as dichlorophenol.

12. ECOLOGICAL INFORMATION

Information on Ecological Effects May cause long-term adverse effects in the aquatic environment.

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Known Harmful Effects on the Environment	Highly toxic to aquatic life.
Other Precautions	Marine Pollutant. CONTAIN.Clean up spill.
Environ. Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. DISPOSAL CONSIDERATIONS

Waste Disposal	Contain - prevent contamination of drains and waterways. Avoid breathing dust or vapours and contact with skin and eyes. Collect and seal in properly labelled drums for disposal. Wear appropriate protective clothing.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Poisons Schedule	S5
Packaging & Labelling	As required by the Standard for the Uniform Scheduling of Drugs and Poisons.
Hazard Category	Harmful,Irritant,Dangerous for the environment

16. OTHER INFORMATION

Signature of Preparer/Data Service	Technical Manager (03) 6431 9627
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Technical Contact Numbers	Emergency Advice All Hours: Technical Manager: (03) 6431 9627 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs Transport/Fire Emergency: 000 (Emergency services)
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Other Information	This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this MSDS carefully, and if in doubt ring the Contact Point Number given below. ...End Of MSDS...
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