

Material Safety Data Sheet

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ISSUED by SEPTONE CS:
1.4.95

Product Name: **BLOCKETTES**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	BLOCKETTES
Product Code	HDB4, HDB9, HDB15
Company Name	Septone Products Pty Ltd (ABN 50 009 745 537)
Address	44 Aquarium Avenue HEMMANT QLD 4174
Emergency Tel.	After hours only: (07) 3821 0623
Telephone/Fax Number	Tel: (07) 3390 5044 Fax: (07) 3390 5041
Email	general@septone.com.au
Recommended Use	Odour suppressant and air freshener blocks for toilets and urinals.
Other Information	The information herein is, to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions of application are beyond our control, Septone does not accept liability for any damages resulting from the use of, or reliance on, this information, in inappropriate contexts.

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 Limited evidence of a carcinogenic effect. 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. S37 Wear suitable 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>	<u>Hazard</u>	<u>R Phrase</u>
	1,4-Dichlorobenzene	106-46-7	60-100 %	Xn, Xi, N	R36, R40, R50, R53
	Ingredients determined not to be hazardous		- 0-1 %		

4. FIRST AID MEASURES

Inhalation	Remove the victim from the source of exposure to fresh air immediately. The victim may appear intoxicated. Keep the victim warm and at rest until fully recovered. If breathing is laboured and patient cyanotic (bluish colouration of the skin and mucous membranes), give oxygen. If the victim is not breathing, clear airway and apply artificial resuscitation. Seek medical attention.
Ingestion	Do not give anything by mouth if victim is losing consciousness, unconscious or convulsing. If more than 15 minutes from medical attention induce vomiting, preferably using Ipecac Syrup APF. Avoid giving milk or oils. Seek medical attention. Alcohol consumption may accelerate the onset and severity of symptoms caused by ingestion of p-Dichlorobenzene.
Skin	Remove contaminated clothing and launder before re-use. Wash affected area immediately with copious quantities of water and non-abrasive soap for at least 15 minutes. Seek medical attention if irritation develops.
Eye	Irrigate immediately with copious quantities of water or normal saline for at least 15 minutes. Seek medical attention.
First Aid Facilities	Eye wash station. Ipecac Syrup APF should be included in the First Aid kit. This Material Safety Data Sheet should be provided to the attending medical doctor.
Advice to Doctor	Treatment is symptomatic and supportive. No specific antidote.
Other Information	Contact the Poisons Information Centre for more information.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, foam, alcohol foam. Foam, CO2, dry chemical extinguishers.
Specific Methods	If this product is involved in a fire, firefighters should wear self-contained breathing apparatus (SCBA) and full protective clothing.
Specific Hazards	Vapours are heavier than air.
Hazchem Code	None allocated

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Evacuate unprotected personnel from the spillage area and cordon off the spillage area. Shut off all possible sources of ignition. Isolate the source of the spillage or leak. Increase ventilation in the contaminated area. Clean-up personnel should wear self contained
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breathing apparatus (SCBA) and full protective clothing. Transfer spilt material into sealed plastic or metal containers for disposal. Salvage if possible. If necessary, dispose of at an approved waste disposal facility in accordance with all local, state and federal authority statutory requirements.

7. HANDLING AND STORAGE

Handling and Storage	Store in plastic or metal containers in a clean, dry, cool, well ventilated place out of direct sunlight and away from incompatible substances, naked flames, sources of heat or ignition, or foodstuffs. Keep container sealed when not in use. Wear appropriate personal protective equipment whilst handling this product.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	<u>Name</u>	mg/m³ (STEL)	ppm (STEL)	mg/m³ (TWA)	ppm (TWA)	TWA <u>Footnote</u>
	1,4-Dichlorobenzene	300	50	150	25	
	Ingredients determined not to be hazardous	-	-	-	-	
Other Exposure Information	However, under normal conditions of use (unless the product becomes molten) the above exposure limits (TLV-TWA and TLV-STEL) will not be reached.					
Engineering Controls	Control airborne concentrations below the exposure standard. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Keep storage container closed when not in use.					
Personal Protective Equipment	Wear overalls, rubber footwear, safety glasses and gloves in accordance with the manufacturer's recommendations. A respirator with full-face protection may be required where engineering controls are inadequate such as during the clean-up of large spills.					

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Appearance	Solid red blocks, tutti frutti fragrance.
Melting Point	53°C
Boiling Point	175°C
Solubility in Water	60-70 mg/L @ 20°C
Specific Gravity	1.248 @ 25°C
pH Value	Not relevant
Vapour Pressure	0.84 hPa @ 20°C
Evaporation Rate	Very slow when in contact with air
Odour Threshold	0.18 ppm
Volatile Component	100% w/w

Flash Point	66°C (Closed Cup)
Flammability	Combustible solid. Flash point 66°C (Closed Cup). Autoignition temperature > 500°C. Sublimes readily.
Auto-Ignition Temperature	> 500°C
Flammable Limits	Not available
- Lower	
Flammable Limits	Not available
- Upper	

10. STABILITY AND REACTIVITY

Chemical Stability	Considered stable.
Conditions to Avoid	Avoid flames and electric arcs and contact with hot surfaces.
Incompatible Materials	Organic peroxides, strong oxidising agents.
Hazardous Decomposition Products	During combustion, this product may produce Hydrogen Chloride and Phosgene as well as Carbon Monoxide and other unidentifiable organic compounds.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Acute (inhalation) LD50 (4 hr): LC50 > 5.07 mg/L (rat). Acute (oral) LD50: 3863 - 3790 mg/kg bw (rat). Acute dermal LD50 > 6000 mg/kg (rat). Reproductive and developmental data: Negative results Mutagenic data: Negative results for mutagenicity by several test systems.
Inhalation	Low acute inhalation toxicity. Vapour may be irritating to the nose at 50 ppm or greater. May cause headache, dizziness, nausea, vomiting and breathing difficulties. High doses may cause depression of the central nervous system.
Ingestion	Low acute oral toxicity. Symptoms may include headache, nausea, vomiting and anaemia.
Skin	Low acute dermal toxicity in animal studies. May cause burning sensation on prolonged contact with solid material.
Eye	Vapour irritating to the eye at 50 ppm or greater.
Chronic Effects	Skin: No evidence of sensitisation in animals or humans. Systemic: In humans, ingestion over prolonged periods may cause reversible neurological symptoms including unsteady gait, incoordination and paresthesia (tingling) of the limbs. Haematological disorders can include anaemia. Has been shown to cause kidney tumours in rats by ingestion and liver tumours in mice by ingestion and inhalation.

12. ECOLOGICAL INFORMATION

Ecological Information	p-Dichlorobenzene is classified as a Marine Pollutant by the IMDG.
Short Summary of Assessment of Environmental Impact	<p>p-Dichlorobenzene is moderately toxic to aquatic life.</p> <p>Acute toxicity:</p> <p>Daphnia magna 48h EC50 0.7 mg/L</p> <p>Mysidopsis bahia 96h EC50 1.99 mg/L</p> <p>Brachydanio rerio (Zebra fish) 96h LC50 2.1 mg/L</p> <p>Pimephales promelas (Fathead minnow) 96h LC50 4.2 mg/L</p> <p>Oncorhynchus mykiss (Rainbow trout) 96h LC50 1.12 mg/L</p>

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	In the event of spillage, the substance should be contained and during clean-up operations, every effort should be made to ensure removal of the substance.
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14. TRANSPORT INFORMATION

Transport Information	<p>Not classified as dangerous goods according to the ACTDG (refer SP AU01 on p. 298 of the 7th Edition).</p> <p>Classified as dangerous goods according to the IMDG Code (2008 Edition).</p>
Hazchem Code	None allocated
IMO Marine Pollutant	Classified as a Marine Pollutant in the IMDG Code (2008 Edition).
IMDG UN No	<p>UN 3077</p> <p>Whilst the IMDG Code 2008 Edition defines 1,4-Dichlorobenzene to be UN 3082, SP355 on page 203 of the Code states:</p> <p>'...environmentally hazardous liquids assigned to UN 3082 may be classified and transported as UN 3077, provided there is no free liquid visible at the time the substance is loaded or at the time the packaging or cargo transport unit is closed.'</p> <p>Therefore, considering that this product exists as a solid at ambient temperature (with a melting point of 53°C), it has been decided to classify this product as UN 3077 for transport according to the IMDG Code.</p>
IMDG Description	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS 1,4-DICHLOROBENZENE)
IMDG Hazard Class	9
IMDG Pack. Group	III
IMDG EMS	F-A, S-F
IMDG Marine Pollutant (MP)	Classified as a Marine Pollutant in the IMDG Code.

15. REGULATORY INFORMATION

Poisons Schedule	S5
Hazard Category	Harmful, Irritant, Dangerous for the environment

AICS (Australia) To the best of the manufacturer's knowledge all components of this product are listed on AICS.

16. OTHER INFORMATION

Contact	Technical Manager (07) 3390 5044
Person/Point	
Literature	National Industrial Chemicals Notification and Assessment Scheme,
References	para-Dichlorobenzene - Priority Existing Chemical Assessment Report No. 13, NICNAS, Sydney, December 2000.

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