

Infosafe No™ VAR3L      Issue Date : December 2015      ISSUED by SUSTAINA

Product Name **ACTIVATE TOILET ODA TABS**

Classified as hazardous

## 1. Identification

**GHS Product Identifier**      ACTIVATE TOILET ODA TABS  
**Company Name**      Sustainable Cleaning Solutions Pty Ltd  
**Address**      6 Lakewood Boulevard Braeside  
                          VIC 3195 Australia  
**Telephone/Fax Number**      Tel: (03) 9580 2499  
    Fax: (03) 9580 2488  
**Emergency phone number**      0417 807 780  
**Recommended use of the chemical and restrictions on use**      Urinal deodorant blocks.

## 2. Hazard Identification

**GHS classification of the substance/mixture**      Carcinogenicity: Category 2  
    Eye Damage/Irritation: Category 2A  
    Hazardous to the Aquatic Environment - Acute Hazard: Category 1  
    Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1  
**Signal Word (s)**      WARNING  
**Hazard Statement (s)**      H319 Causes serious eye irritation.  
    H351 Suspected of causing cancer.  
    H410 Very toxic to aquatic life with long lasting effects.  
**Precautionary statement - General**      P101 If medical advice is needed, have product container or label at hand.  
    P102 Keep out of reach of children.  
    P103 Read label before use.  
**Pictogram (s)**      Exclamation mark, Health hazard, Environment



**Precautionary statement - Prevention**      P201 Obtain special instructions before use.  
    P202 Do not handle until all safety precautions have been read and understood.  
    P264 Wash contaminated skin thoroughly after handling  
    P273 Avoid release to the environment.  
    P280 Wear protective gloves/protective clothing/eye protection/face protection.  
    P281 Use personal protective equipment as required.  
**Precautionary statement - Response**      P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
    P308+P313 IF exposed or concerned: Get medical advice/attention.  
    P337+P313 If eye irritation persists: Get medical advice/attention.  
    P391 Collect spillage.  
**Precautionary statement - Storage**      P405 Store locked up.  
**Precautionary statement - Disposal**      P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

## 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	1,4-Dichlorobenzene	106-46-7	90-100 %
	Other ingredients determined not to be hazardous	Not required	0-10 %

## 4. First-aid measures



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<b>Inhalation</b>	Remove source of contamination or move victim to fresh air. If breathing has stopped, properly trained personnel should begin artificial respiration or cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately.
<b>Ingestion</b>	Do not give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. If swallowed, do NOT induce vomiting. Seek immediate medical attention.
<b>Skin</b>	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.
<b>Eye contact</b>	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.
<b>Other Information</b>	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

<b>Specific hazards arising from the chemical</b>	<b>FIRE EXTINGUISHING AGENTS</b> Carbon dioxide, dry chemical, foam <b>FIRE FIGHTING PROCEDURES</b> Water is not generally suitable for fighting fires involving this material. Water spray can be used to absorb heat, keep containers cool, and protect exposed materials. <b>COMBUSTION PRODUCTS</b> Carbon dioxide, carbon monoxide, hydrogen chloride, and phosgene. Firefighters to wear breathing apparatus.
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## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	<b>PRECAUTIONS</b> 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. <b>CLEANUP</b> 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. <b>DISPOSAL</b> 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.
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## 7. Handling and storage

<b>Conditions for safe storage, including any incompatibilities</b>	<b>STORAGE CONDITIONS</b> 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. <b>HANDLING</b> Use in minimal quantities, in designated areas with adequate ventilation. Wear appropriate protective equipment to prevent skin and eye contact.
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## 8. Exposure controls/personal protection

Occupational exposure limit values	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	1,4-Dichlorobenzene	661	110	451	75	
<b>Other Exposure Information</b>	(TLV-TWA) 25 ppm (150 mg/m3) SHORT-TERM EXP. LIMIT (TLV-STEL) 50 ppm (300 mg/m3), Worksafe Aust. <b>SAMPLING &amp; ANALYSIS DETECTOR TUBES:</b> Short-term sampling <b>GAS CHROMATOGRAPHY:</b> Continuous monitoring. <b>EXPOSURE CONTROL</b> 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.					



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**Appropriate 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** RESPIRATORY PROTECTION If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment including approved respiratory protection. Have appropriate equipment available for use in emergencies such as spills or fire.

## 9. Physical and chemical properties

**Form** Solid

**Appearance** White crystalline blocks

**Melting Point** 53 deg C (127.4 deg F)

**Boiling Point** 173.4 deg C (344.1 deg F)

**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** CONVERSION FACTOR 1 ppm = 6.01 mg/m<sup>3</sup> @ 25 deg C SOLUBILITY IN WATER Insoluble SOLUBILITY IN OTHER LIQUIDS Soluble in ethanol, benzene, ether, chloroform, carbon disulfide, and acetone.

## 10. Stability and reactivity

**Possibility of 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.

**Ingestion** Unlikely to occur during occupational exposure.

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

**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



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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.  
**Known Harmful Effects on the Environment** Highly toxic to aquatic life.  
**Other Precautions** Marine Pollutant. CONTAIN.Clean up spill.  
**Environmental 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.

## 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.

## 15. Regulatory information

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

## 16. Other Information

**Literature References** \*\*\* BIBLIOGRAPHY Deichmann, W.B. Halogenated cyclic hydrocarbons. In: Clayton, G.D.; Clayton, F.E., eds. Patty's industrial hygiene and toxicology. 3rd revised edition. Vol. 2B : toxicology. New York; Toronto, Ontario : John Wiley and Sons, 1981. p. 3617-3626 Mackison, F.W.; Stricoff, R.S.; Partridge, L.J., eds, Occupational health guideline for p-dichlorobenzene. In: Occupational health guidelines for chemical hazards (DHHS (NIOSH) publication; no. 81-123). Washington, D.C. : NIOSH/OSHA, 1981 NIOSH pocket guide to chemical hazards. (Repr. with corr.) NIOSH, Feb. 1987. p. 96-97

**Signature of Preparer/Data Service** Technical Manager 03 9580 2499

**Technical Contact Numbers** Emergency Advice All Hours:  
General Manager Tel: 0417 807 780 Mon-Fri 8am - 6pm  
Poisons Information Centre: 13 11 26 - 24hrs

**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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