

MATERIAL SAFETY DATA SHEET

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| Issued Date: | July 2007 |
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Classified as hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

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| Company Name | Chemwell Products Pty Ltd (ABN 29 060 847 538) |
| Address | 3 Clive Street, Springvale Vic 3171 |
| Phone/Fax | Ph: +61 3 9558 5678 Fax: +61 3 9562 4360 |
| Emergency Telephone | 13 11 26 Poison Information Centre (National), 000 Police, Fire, Ambulance |
| Email | rkiwerc1@iinet.net.au |

IDENTIFICATION

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| Product Code | 1-15-01 |
| Product Name | Anti-Bacterial Hand Gel |
| Other Name | |
| Shipping Name | |
| UN Number | 1170 |
| DG Class | 3.1 |
| Packaging Group | II |
| Hazchem Code | 2[S] E |
| Poisons Schedule | 5 |
| Product Use | For use on hands where high hygiene standards are required i.e. doctor's surgeries and food preparations and handling areas. |

Physical Data

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| Appearance | Clear, colourless liquid with a characteristic alcohol odour. |
| Boiling Point (°C) | Not Tested |
| Melting Point (°C) | Not Tested |
| Vapour Pressure | Not Tested |
| Specific Gravity (H₂O=1) | Approx. 0.92 |
| Flashpoint | Not Tested |
| Flammable Limit LEL | Not Tested |

Other Properties

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| Auto-ignition | Not Tested |
| Temperature (°C) | |
| Vapour Density | Not Tested |
| Solubility | Soluble |
| Evaporation Rate | Not Tested |
| Odour Threshold | Characteristic alcohol odour |
| pH | +/- 7.5 |

Ingredients

| Ingredients | Name | CAS | Proportion % |
|-------------|--|-----------|--------------|
| | Ethyl Alcohol (ethanol) | 64-17-5 | 50<70 |
| | 2,4,4 – Trichloro-2-Hydroxy Diphenyl Ether (triclosan) | 3380-34-5 | 3g/l |
| | Ingredients not classified as hazardous by definition | | Balance |

HEALTH HAZARD INFORMATION

Health Effects

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| Acute Swallowed | Unlikely under normal occupational exposures, but swallowing ethanol may cause harmful nervous system effects. Effects may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, loss of consciousness, coma, respiratory arrest and death. |
| Acute – Eye | Vapours may irritate the eyes. Liquid and mists may severely irritate or damage the eyes. |
| Acute – Skin | Prolonged contact may lead to skin irritation. A small proportion of people exposed to repeated skin contact may develop an allergic skin reaction. |
| Acute – Inhaled | Inhalation of mist aerosols may produce respiratory irritation. Available information indicates that there is little or no hazard when vapours from the product are inhaled. |
| Chronic | No data found |

First Aid

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| Swallowed | Give plenty of water to drink; induce vomiting in conscious person by giving syrup of Ipecac. Seek medical advice if necessary. |
| Eye | Irrigate with water for 15 minutes. Seek medical attention promptly. |
| Skin | Wash with water. Remove contaminated clothing. |
| Inhaled (MIST) | Remove to fresh air, rest patient and seek medical attention if discomfort persists. |
| First Aid Facilities | |

Advice to Doctor

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| Advice to Doctor | Treat symptomatically. |
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Other Health Hazard Information

PRECAUTION FOR USE

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| Exposure Limits | The exposure Standards recommended by Worksafe Australia are: Ethyl alcohol: TWA 1000ppm (1900 mg/m ³) |
| Engineering Control | Use in well-ventilated area and use good work safety standards |

Personal Protection

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| Protective Equipment | Avoid eye contamination. If re-packing of product occurs, ensure to wear safety glasses to protect eyes. |
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Flammability

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| Fire Hazards | Use water, dry chemical, carbon dioxide (CO ₂) or alcohol stable foam or water fog. Burns with a colourless flame, the vapour is heavier than air and may travel along the ground, distant ignition possible. Burning can produce carbon dioxide and/or carbon monoxide. |
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SAFE HANDLING INFORMATION

Storage and Transport

Storage & Transport Store in tightly closed containers in cool, dry, isolated well, ventilated areas away from heat, sources of ignition and incompatibles.
Do not eat, drink or smoke in areas of use and storage.
Observe State Regulations concerning the storage and handling of Dangerous Goods.
Store with all precautions required for handling flammable liquids.
The requirements of Australian Standards AS 1940 – “The Storage and Handling of Flammable and Combustible Liquids” should be observed.

Shipping Name

Spills and Disposals

Spills & Disposal Clean up personnel should wear full protective clothing including respiratory protection if risk of inhalation of vapours. Eliminate all sources of ignition. Stop and contain the spill for salvage or absorb in inert absorbent material. Wash with copious volumes of water; ethanol mixes completely with water. Ventilate area well and ensure adequate personal protection as above. Incinerate under controlled conditions if permitted by local authorities; otherwise disposal must be in accordance with local waste authority requirements.

Fire/Explosion Hazard

Fire/Explosion Hazard Extinguishing media:
Use water, dry chemicals, carbon dioxide or alcohol stable foam.
Special fire fighting procedures:
Use water to cool exposed containers.
Spills and leaks may be washed with copious volumes of water, for or spray.
Fire Fighters must wear self-contained breathing apparatus with full face-mask and protective clothing.
Unusual Fire and Explosion Hazards:
Burns with a colourless flame. The vapour is heavier than air and may travel along the ground; distant ignition and flash back are possible. Run off to sewers and drains may cause explosions. Isolate for at least 800 metres in all directions if tanks or tankers are involved. Burning can produce carbon dioxide and/or carbon monoxide.
Containers previously holding ethanol products must be degassed before entry or subjected to sources of ignition, refer AS 1940.

OTHER INFORMATION

RISK & SAFETY PHRASES S25 Avoid contact with eyes
S37/39 Wear suitable gloves and wear eye / face protection

Packaging & Labelling Defined as a ‘Dangerous Good’ by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Hazard Category Flammable

CONTACT POINT

| TELEPHONE | ORGANISATION | LOCATION | ASK FOR |
|---|---|---|-------------------|
| +61 3 9558 5678 13 11 26 000 | Chemwell Products Pty Ltd Poison Information Centre Fire, Police, Ambulance | Springvale, VIC National National | Technical Officer |

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

End of MSDS
