

# Material Safety Data Sheet

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Infosafe No™ IA1T7 Issue Date : July 2008 ISSUED by WAXGUARD CS: 1.4.22

Product Name : DEFENSE PAK WATER BASED FABRIC PROTECTION

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** DEFENSE PAK WATER BASED FABRIC PROTECTION

**Company Name** WAXGUARD AUSTRALIA PTY LTD (ABN 001 277 550)

**Address** 275 Canterbury Road Canterbury  
Vic 3126 Australia

**Emergency Tel.** (03) 8809 2700

**Telephone/Fax Number** Tel: (03) 8809 2700  
Fax: (03) 9888 6944

**Recommended Use** Fabric protector.

**Other Names** Name Product Code  
WAXGUARD 2000F

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.  
Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia Dangerous Goods Code.

**Risk Phrase(s)** R10 Flammable.  
R38 Irritating to skin.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R67 Vapours may cause drowsiness and dizziness

**Safety Phrase(s)** S16 Keep away from sources of ignition - No smoking.  
S23(2) Do not breathe vapour.  
S23(3) Do not breathe spray.  
S24/25 Avoid contact with skin and eyes.  
S37/39 Wear suitable gloves and eye/face protection.  
S38 If insufficient ventilation, wear suitable respiratory equipment.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.  
S9 Keep container in a well ventilated place.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Aliphatic hydrocarbon	64742-89-8	>60-100 %
	Toluene	108-65-6	0-<1 %
	Fluoropolymer	Proprietary	-

## 4. FIRST AID MEASURES

**Inhalation** If inhaled, remove the affected person from contaminated area. Apply artificial respiration if not breathing. If symptoms persist seek medical attention.

**Ingestion** Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.

**Eye** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

**First Aid Facilities** Eye wash and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

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**Suitable Extinguishing Media** Use carbon dioxide, dry chemical, foam, water spray or water fog.

**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Specific Methods** Use water spray to cool fire exposed containers.

**Specific Hazards** Flammable liquid. Explosive air-vapour mixture may form. Explosive when mixed with oxidizing substances.

**Hazchem Code** 3[Y]

**Precautions in connection with Fire** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for the subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Use in designated areas with adequate ventilation. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities. Prevent the creation of vapour or mist in the work atmosphere. Keep containers closed when not in use.

**Conditions for Safe Storage** Store in a cool, dry well-ventilated area away from incompatible materials, such as strong oxidizing agents. Keep the containers tightly sealed when not in use, and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. For information on the design of the store-room reference should be made to Australian Standard AS1940, The Storage and Handling of Flammable and Combustible Liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**National Exposure Standards** No value is assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC) Australia, however the available exposure limits on the ingredients as provided by NOHSC are as follows:

Substance	TWA		STEL		Notices
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Toluene	50	274	100	548	Sk
Paraffins	-	5	-	-	-

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

'Sk' Notice: Absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur. No biological limit allocated.

**Biological Limit Values**  
**Engineering Controls**

Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS1940 - The storage and handling of flammable and combustible liquids and AS2430 - Explosive gas atmospheres for further information concerning ventilation requirements.

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<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
<b>Eye Protection</b>	Safety glasses with side shields or face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Impervious gloves recommended such as laminated film or nitrile gloves. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.
<b>Body Protection</b>	Suitable work wear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear liquid
<b>Odour</b>	Hydrocarbon odour
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	180-205°C
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	0.765-0.775 at 15°C
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	0.07 kPa at 15°C
<b>Vapour Density (Air=1)</b>	Not available
<b>Flash Point</b>	> 50°C
<b>Flammability</b>	Flammable liquid
<b>Auto-Ignition Temperature</b>	354°C
<b>Flammable Limits - Lower</b>	0.8%
<b>Flammable Limits - Upper</b>	6.1%

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Incompatible Materials</b>	Strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	No toxicity data are available for this specific product. The available data for the ingredients are as follows: For Toluene: LD50 (Oral, Rat): 5000-7530 mg/kg LC50 (Inhalation, Rat): 49 g/m <sup>3</sup> /4h
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<b>Inhalation</b>	LC50 (Inhalation, Mouse): 400 ppm/24h May be irritating to the respiratory system. Inhalation of high concentrations of vapour may result in dizziness, drowsiness, headache, CNS depression, nausea, vomiting and narcosis.
<b>Ingestion</b>	Harmful: may cause lung damage if swallowed. Upon aspiration into lungs, chemical pneumonitis may develop. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	Irritating to skin, may cause redness and itchiness.
<b>Eye</b>	May cause eye irritation, tearing, blurred vision and redness.
<b>Chronic Effects</b>	May cause dermatitis if in frequent and prolonged contact with the skin.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecological Information</b>	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
<b>Ecotoxicity</b>	No toxicity data is available for this product.
<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environ. Protection</b>	Do not allow product to enter drains, waterways or sewers.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	This material is classified as a Class 3 (Flammable Liquid) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. Dangerous goods of Class 3 (Flammable Liquid) are incompatible in a placard load with any of the following: - Class 1, Explosive - Class 2.1, Flammable Gas, if both the Class 3 and Class 2.1 dangerous goods are in bulk - Class 2.3, Toxic Gas - Class 4.2, Spontaneously Combustible Substance - Class 5.1, Oxidising Agent - Class 5.2, Organic Peroxide - Class 6, Toxic and Infectious Substances, if the Class 3 dangerous goods are nitromethane - Class 7, Radioactive Substance
<b>U.N. Number</b>	1993
<b>Proper Shipping Name</b>	FLAMMABLE LIQUID, N.O.S. - CONTAINS ALIPHATIC HYDROCARBONS
<b>DG Class</b>	3
<b>Hazchem Code</b>	3[Y]
<b>Packaging Method</b>	3.8.3RT1
<b>Packing Group</b>	III
<b>Storage and Transport</b>	Store in a cool, well ventilated place away from heat, naked flames or sparks and strong oxidizing agents. Transport in accordance with government Regulations ACTDG Flammable Liquid, Class 3.
<b>EPG Number</b>	3A1
<b>IERG Number</b>	14

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## 15. REGULATORY INFORMATION

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**Regulatory Information** Classified as Hazardous according to criteria of the National Occupational Health & Safety Commission (NOHSC) Australia.  
Classified as a Scheduled Poison S5 according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule** S5

**Hazard Category** Harmful, Irritant, Dangerous for the environment

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## 16. OTHER INFORMATION

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**Date of preparation or last revision of MSDS** MSDS Review: July 2008  
Supersedes: March 2003

**Contact Person/Point** DISCLAIMER: The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.  
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