

Infosafe No™ HX0Q3	Issue Date : June 2007	ISSUED by RITTCO	CS: 1.4.22
--------------------	------------------------	------------------	------------

 Product Name : **RAIN-X ANTI-FOG TOWELETTE**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	RAIN-X ANTI-FOG TOWELETTE		
<b>Product Code</b>	AF21169		
<b>Company Name</b>	RITTCO DISTRIBUTING		
<b>Address</b>	PO Box 23 Concord NSW 2137 Australia		
<b>Emergency Tel.</b>	13 11 16		
<b>Recommended Use</b>	ANTIFOGGING AGENT · INTERIOR GLASS ANTI-FOG TREATMENT		
<b>Other Names</b>	<u>Name</u>	<u>Product Code</u>	
	RAIN-X ANTI-FOG · ANTI-FOG TOWELETTE		

## 2. HAZARDS IDENTIFICATION

<b>Hazard Classification</b>	HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
<b>Risk Phrase(s)</b>	R11 Highly flammable. R36 Irritating to eyes.
<b>Safety Phrase(s)</b>	S16 Keep away from sources of ignition - No smoking. S2 Keep out of reach of children. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Ingredient	Formula	
	ETHANOL	C2-H6-O	
	SURFACTANT(S)	Not Available	
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ethanol	64-17-5	95-99 %
	SURFACTANT(S)	Not Available	1-5 %

## 4. FIRST AID MEASURES

<b>Inhalation</b>	If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
<b>Ingestion</b>	For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting. Ingestion is considered unlikely due to product form.
<b>Skin</b>	Gently flush affected areas with water.
<b>Eye</b>	Flush gently with running water for 15 minutes.
<b>First Aid Facilities</b>	Eye wash facilities should be available.
<b>Advice to Doctor</b>	Treat symptomatically

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Water fog or foam. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
<b>Specific Hazards</b>	Highly flammable. Evacuate area and contact emergency services. Toxic gases (carbon oxides, hydrocarbons) may be evolved when heated to decomposition; remain upwind and notify those downwind of potential hazard. Full protective equipment (see spill above) including self contained breathing apparatus must be worn when combating fire. Use water fog to cool intact containers and nearby storage areas.
<b>Hazchem Code</b>	None Allocated

Infosafe No™ HX0Q3	Issue Date : June 2007	ISSUED by RITTCO	CS: 1.4.22
--------------------	------------------------	------------------	------------

 Product Name : **RAIN-X ANTI-FOG TOWELETTE**

## 6. ACCIDENTAL RELEASE MEASURES

**Spills & Disposal** Collect and reuse where possible.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

**Conditions for Safe Storage** Store in a well ventilated area, removed from oxidising agents, alkalis and foodstuffs. Check regularly for leaks or spills. Also store removed from halogens and aldehydes.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Ingredient	Reference	TWA		STEL	
			ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
	ETHANOL	NOHSC (AUS)	1000	1880	--	--
<b>Biological Limit Values</b>	No biological limit allocated.					
<b>Engineering Controls</b>	Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.					
<b>Personal Protective Equipment</b>	Personal Protective Equipment is not required under normal conditions of use. When using large quantities or where heavy contamination is likely, wear splash-proof goggles.					

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Moist towelette
<b>Odour</b>	Solvent odour
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Insoluble
<b>Specific Gravity</b>	Not available
<b>pH Value</b>	Not available
<b>Vapour Pressure</b>	33 mm Hg @ 25°C
<b>Vapour Density (Air=1)</b>	> 1 (Air =1)
<b>Evaporation Rate</b>	Not available
<b>Volatile Component</b>	Not available
<b>Flash Point</b>	18.3°C (cc)
<b>Flammability</b>	Highly flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling.
<b>Auto-Ignition Temperature</b>	Not available
<b>Explosion Limit - Upper</b>	12.7 %
<b>Explosion Limit - Lower</b>	2 %

## 10. STABILITY AND REACTIVITY

**Incompatible Materials** Incompatible with oxidising agents (eg. hypochlorites, peroxides) and alkalis (eg. hydroxides). Also incompatible with halogens and aldehydes.

Infosafe No™ HX0Q3	Issue Date : June 2007	ISSUED by RITTCO	CS: 1.4.22
--------------------	------------------------	------------------	------------

Product Name : **RAIN-X ANTI-FOG TOWELETTE**

**Hazardous Decomposition Products** May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information** Toxicity Data:  
ETHANOL (64-17-5)  
LC50 (Inhalation): 2000 ppm/10 hours (rat)  
LD50 (Ingestion): 3450 mg/kg (mouse)

**Health Hazard** This product has the potential to cause adverse health effects with chronic over exposure. Use safe work practices to avoid eye or skin contact and over exposure via inhalation. Chronic over exposure may cause liver and kidney damage.

**Inhalation** Over exposure to mists or vapours may result in mucous membrane irritation of the nose and throat with coughing. Exposure to high vapour levels may cause nausea, dizziness and headache.

**Ingestion** Due to product form, ingestion is considered highly unlikely.

**Skin** Prolonged and repeated contact may result in irritation, skin rash and dermatitis.

**Eye** Eye irritation is not anticipated under normal conditions of use.

## 12. ECOLOGICAL INFORMATION

**Ecological Information** Environment: If spilled on soil, ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low adsorption in soil. It will biodegrade, probably to acetic acid and formaldehyde. Ethanol will volatilise from water and biodegrade, and is not expected to bioconcentrate. It will photodegrade in air with a half-life ranging from hours (polluted air) to days (clean air).

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** No special precautions are required for the disposal of this product.

**Local Legislation** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

**Transport Information** NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

**Sub.Risk** None Allocated

**Hazchem Code** None Allocated

**Packing Group** None Allocated

## 15. REGULATORY INFORMATION

**Regulatory Information** Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule** Not Scheduled

**Hazard Category** Irritant, Highly Flammable

**AICS (Australia)** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

**Other Information** EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

ABBREVIATIONS:

Infosafe No™	HXOQ3	Issue Date : June 2007	ISSUED by RITTCO	CS: 1.4.22
--------------	-------	------------------------	------------------	------------

Product Name : **RAIN-X ANTI-FOG TOWELETTE**

---

mg/m<sup>3</sup> - Milligrams per cubic metre  
ppm - Parts Per Million  
TWA/ES - Time Weighted Average or Exposure Standard.  
CNS - Central Nervous System  
NOS - Not Otherwise Specified  
pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.  
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.  
M - moles per litre, a unit of concentration.  
IARC - International Agency for Research on Cancer.

#### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

#### HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

#### Prepared By:

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au

This MSDS has been transcribed into Infosafe NOHSC format from an original issued by the manufacturer on the date shown. Any disclaimer by the manufacturer may not be included in the transcription.  
...End Of MSDS...

© Copyright ACOHS Pty Ltd  
Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed on this site is the intellectual property of Acohs Pty Ltd.  
Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed on this site is the intellectual property of Acohs Pty Ltd.  
The compilation of MSDS's displayed on this site is the intellectual property of Acohs Pty Ltd.  
Copying of any MSDS displayed on this site is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed on this site cannot be