

Infosafe No™ HX0Q6	Issue Date : June 2007	ISSUED by RITTCO	CS: 1.4.22
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Product Name : **RAIN-X WASHER FLUID ADDITIVE, LIQUID OR POUCH**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	RAIN-X WASHER FLUID ADDITIVE, LIQUID OR POUCH		
Product Code	RX11341		
Company Name	RITTCO DISTRIBUTING		
Address	PO Box 23 Concord NSW 2137 Australia		
Emergency Tel.	13 11 16		
Recommended Use	WINDSCREEN CLEANER		
Other Names	<u>Name</u>		<u>Product Code</u>
	RAIN-X WASHER FLUID ADDITIVE, LIQUID OR POUCH		

2. HAZARDS IDENTIFICATION

Hazard Classification	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)	R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R68 Possible risk of irreversible effects.
Safety Phrase(s)	S1/2 Keep locked up and out of reach of children.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Ingredient	Formula	
	ETHYLENE GLYCOL MONOBUTYL ETHER	C6-H14-O2	
	ISOPROPYL ALCOHOL	C3-H8-O	
	METHANOL	C-H4-O	
	WATER	H2O	
	SILOXANES AND SILICONES	Not Available	
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Water	7732-18-5	80-95 %
	SILOXANES AND SILICONES	67762-87-2	5-10 %
	Isopropyl alcohol	67-63-0	<5 %
	Ethylene glycol monobutyl ether	111-76-2	<5 %
	Methanol	67-56-1	1-3 %

4. FIRST AID MEASURES

Inhalation	If over exposure occurs leave exposure area immediately. If irritation persists, seek medical attention.
Ingestion	DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.
Skin	Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.
Eye	Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
Specific Hazards	Non flammable. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool

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Hazchem Code intact containers and nearby storage areas.
None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal If spilt (bulk), contact emergency services where appropriate. Wear splash-proof goggles, PVC/rubber gloves, a Type A (Organic vapour) respirator (where an inhalation risk exists), coveralls and rubber boots. Ventilate and clear area of all unprotected personnel. Absorb spill with sand or similar, collect and place in sealable containers for disposal.

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 cool, dry, well ventilated area, removed from direct sunlight and out of the reach of children, oxidising agents, alkalis, acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Ingredient	Reference	TWA		STEL	
			ppm	mg/m ³	ppm	mg/m ³
	ETHYLENE GLYCOL	NOHSC (AUS)	20	96.9	50	242
	MONOBUTYL ETHER					
	ISOPROPYL ALCOHOL	NOHSC (AUS)	400	983	500	1230
	METHANOL	NOHSC (AUS)	200	262	250	328
Biological Limit Values	Ingredient	Reference	Determinant	Sampling Time	BEI	
	METHANOL	ACGIH BEI	Methanol in urine	End of shift	15 mg/L	
Engineering Controls	Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.					
Personal Protective Equipment	Wear splash-proof goggles and safety glasses. With prolonged use, wear rubber or PVC gloves.					

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White liquid
Odour	Alcohol like odour
Melting Point	Not available
Boiling Point	85°C
Solubility in Water	Slightly soluble
Specific Gravity	0.98 to 1
pH Value	2.5 to 4
Vapour Pressure	> 1 (Air = 1)
Vapour Density (Air=1)	> 1 (Air = 1)
Evaporation Rate	Not available
Volatile Component	Not available
Flash Point	Not relevant
Flammability	Non flammable. May evolve toxic gases (hydrocarbons, carbon oxides) when heated to decomposition.
Auto-Ignition Temperature	Not available
Explosion Limit - Upper	36 %

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Explosion Limit - 6 %
Lower

10. STABILITY AND REACTIVITY

Incompatible Materials Incompatible with oxidising agents (eg. hypochlorites, peroxides), acids (eg. sulphuric acid), alkalis (eg. hydroxides), heat and ignition sources.

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

11. TOXICOLOGICAL INFORMATION

Toxicology Information Toxicity Data:
ETHYLENE GLYCOL MONOBUTYL ETHER (111-76-2)
LC50 (Inhalation): 700 ppm (mouse)
LD50 (Ingestion): 300 mg/kg (rabbit)
LD50 (Skin): 230 mg/kg (guinea pig)

ISOPROPYL ALCOHOL (67-63-0)
Carcinogenicity: Not classifiable as to its carcinogenicity (IARC Group 3)
LC50 (Inhalation): 16000 ppm/8 hours 16000/8 hours (rat)
LD50 (Ingestion): 3600 mg/kg (mouse)
LD50 (Skin): 12,800 mg/kg (rabbit)

METHANOL (67-56-1)
LC50 (Inhalation): 50 g/m³/2 hours (mouse)
LD50 (Ingestion): 5628 mg/kg (rat)
LD50 (Skin): 15,800 mg/kg (rabbit)

Health Hazard When used in small quantities, the potential for over exposure is reduced. Use safe work practices to avoid eye/skin contact and vapour generation/inhalation. Chronic or high level exposure to glycols may cause kidney or liver damage. Dilution considerably reduces the potential hazards.

Inhalation Over exposure may result in mucous membrane irritation of the nose and throat with coughing. At high levels; lower respiratory tract irritation, nausea, dizziness, headache and possible breathing difficulties.

Ingestion Ingestion may result in gastrointestinal irritation, nausea and vomiting with large doses. Aspiration may result in chemical pneumonitis and pulmonary oedema.

Skin Prolonged and repeated contact may result in drying and defatting of the skin with rash and dermatitis.

Eye Exposure may result in lacrimation, irritation, pain, redness, conjunctivitis and possible corneal burns with prolonged contact.

12. ECOLOGICAL INFORMATION

Ecological Information Environment: Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts, contact the manufacturer for additional information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.

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

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15. REGULATORY INFORMATION

Regulatory Information	Poison Schedule: Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
Poisons Schedule	S5
Hazard Category	Harmful
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:

mg/m³ - 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

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