

Material Safety Data Sheet

CS: 1.4.20

Page: 1 of 5

Infosafe No™ LPY0G Issue Date : March 2009 ISSUED by RITTCODI

Product Name **RAIN-X 2 IN 1 FOAMING GLASS CLEANER + REPELLENT**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name RAIN-X 2 IN 1 FOAMING GLASS CLEANER + REPELLENT
Company Name RITTCO DISTRIBUTING
Address PO BOX. 23 CONCORD
NSW 2137 Australia
Emergency Tel. 13 11 16
Recommended Use Glass cleaner (aerosol spray).

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) R12 Extremely Flammable.
R36 Irritating to eyes.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 Vapours may cause drowsiness and dizziness

Safety Phrase(s) S16 Keep away from sources of ignition - No smoking.
S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray
S24/25 Avoid contact with skin and eyes.
S33 Take precautionary measures against static discharges.
S51 Use only in well ventilated areas.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition Aerosol spray consisting of solvent, additives, and hydrocarbon propellant.

Ingredients	Name	CAS	Proportion
	Hydrocarbon propellant	N/A	10-30 %
	Isopropyl alcohol	67-63-0	1-5 %
	Isobutane	75-28-5	1-5 %
	Additives and/or other ingredients	Mixture	Balance

4. FIRST AID MEASURES

Inhalation Remove the source of contamination or move the affected person to fresh air. Ensure airways are clear. Keep at rest until fully recovered. If symptoms persist seek medical attention. If breathing is shallow or has stopped, ensure clear airways and apply resuscitation. Seek immediate medical attention.

Ingestion DO NOT induce vomiting. Immediately wash mouth out with water. If vomiting occurs, lean patient forward or place on left side (head down position, if possible) to maintain open airways and prevent aspiration. Seek immediate medical attention.

Skin Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops and persists, 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 immediate medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Material Safety Data Sheet

CS: 1.4.20

Page: 2 of 5

Infosafe No™ LPY0G Issue Date : March 2009 ISSUED by RITTCODI

Product Name **RAIN-X 2 IN 1 FOAMING GLASS CLEANER + REPELLENT**

Suitable Extinguishing Media Extinguish fire with foam, dry chemical powder, carbon dioxide, water fog or water spray.

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

Specific Hazards Extremely flammable liquid. Vapour/air mixtures may ignite explosively. Precautions should be taken to eliminate the build up of explosive mixtures. Vapours are heavier than air and may travel long distances to an ignition source and flash back. Contents under pressure - cans can explode in a fire.

Precautions in connection with Fire Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers. If safe to do so, remove containers from path of fire. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Liquid Spill: Extinguish or remove all sources of ignition. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Stop the leak if safe to do so. Increase ventilation. If possible contain the spill. Collect the material and place into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

Spillage of Aerosol Cans: Extinguish or remove all sources of ignition. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Absorb or cover spill with sand, earth, inert materials or vermiculite if required. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Provide ventilation during use to control airborne levels within exposure guidelines or use approved breathing apparatus. Avoid breathing vapour. Avoid skin and eye contact. Cap containers after use. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Conditions for Safe Storage Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and out of direct sunlight. Avoid storage at temperatures higher than 40°C. Inspect regularly for deficiencies such as damage or leaks. No smoking, naked lights, heat or ignition sources. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding or bonding procedures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

National Occupational Health And Safety Commission (NOHSC), Australia Exposure Standards:

Substance	TWA		STEL		Notices
	ppm	mg/m ³	ppm	mg/m ³	
Isopropyl alcohol	400	983	500	1230	-

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

Material Safety Data Sheet

CS: 1.4.20

Page: 3 of 5

Infosafe No™ LPY0G	Issue Date : March 2009	ISSUED by RITTCODI
--------------------	-------------------------	--------------------

Product Name **RAIN-X 2 IN 1 FOAMING GLASS CLEANER + REPELLENT**

Engineering Controls	eight-hour workday. Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof local exhaust ventilation system is required.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then an approved respirator should be used. Reference should be made to Australian 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.
Eye Protection	Safety glasses with side shields or goggles as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. 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 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable protective workwear, e.g. 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

Appearance	White liquid in an aerosol pressure pack.
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Partly soluble
pH Value	7.0
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Evaporation Rate	<1 (n-Butyl acetate=1)
Density	0.986 g/cm ³ (ASTM D-4052)
Flash Point	-60°C (Butane propellant); -105°C (Propane propellant)
Flammability	Extremely flammable.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Not available
-------------------------------	---------------

Material Safety Data Sheet

CS: 1.4.20

Page: 4 of 5

Infosafe No™ LPY0G Issue Date : March 2009 ISSUED by RITTCODI

Product Name **RAIN-X 2 IN 1 FOAMING GLASS CLEANER + REPELLENT**

Inhalation	Inhalation of product vapours may cause irritation to the nose, throat and respiratory system. Vapours may cause drowsiness and dizziness. WARNING: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal.
Ingestion	May cause irritation to the gastrointestinal system. Symptoms may include nausea, vomiting, diarrhoea and abdominal pain. Subsequent to ingestion or vomiting, small amounts of liquid aspirated into the respiratory system may cause severe pulmonary injury that may lead to death.
Skin	May be irritating to skin. May cause dryness and itching. It may be absorbed through skin with harmful systemic effects.
Eye	Irritating to eyes. May cause tearing, stinging, blurred vision, and redness.
Chronic Effects	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches. In severe acute exposures there is a danger of death from respiratory failure or cardiac arrest. Overexposure by skin absorption or inhalation may injure the liver, kidneys and bladder.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence / Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environ. Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. Disposal facilities must be capable of handling aerosol cans. Dispose of empty product containers in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste. Do not incinerate cans even when empty.
--------------------------------	---

14. TRANSPORT INFORMATION

Transport Information	<p>This material is classified as a Class 2.1 (Flammable Gas) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road or Rail (ADG Code).</p> <p>Dangerous goods of Class 2.1 (Flammable Gas) are incompatible in a placard load with any of the following:</p> <ul style="list-style-type: none">- Class 1, Explosive- Class 3, Flammable Liquid, if both the Class 2.1 and Class 3 dangerous goods are in bulk- Class 4.1, Flammable Solid- Class 4.2, Spontaneously Combustible Substance- Class 4.3, Dangerous When Wet Substance- Class 5.1, Oxidising Agent- Class 5.2, Organic Peroxide- Class 7, Radioactive Substance <p>IMDG Identification number: UN 1950 Proper shipping name: AEROSOLS Class/Division: 2.1 Marine pollutant: No</p> <p>IATA (Country variations may apply) Identification number: UN 1950 Proper shipping name: Aerosols, flammable Class/Division: 2.1</p>
U.N. Number	1950

Material Safety Data Sheet

CS: 1.4.20

Page: 5 of 5

Infosafe No™ LPY0G Issue Date : March 2009 ISSUED by RITTCODI

Product Name **RAIN-X 2 IN 1 FOAMING GLASS CLEANER + REPELLENT**

Proper Shipping Name AEROSOLS

DG Class 2.1

Packaging Method

Packing Group

EPG Number 2D1

IERG Number 49

15. REGULATORY INFORMATION

Regulatory Information Classified as Hazardous according to criteria of Australian National Occupational Health & Safety Commission (NOHSC).
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule Not Scheduled

Hazard Category Irritant, Extremely Flammable

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Created: March 2009

...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 is the intellectual property of Acohs Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Acohs Pty Ltd.
The compilation of MSDS's displayed is the intellectual property of Acohs Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.