

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product name** Urine-Erase® Solution No. 2  
**CAS #** Mixture  
**Product Use** Urine Odour and Stain Eliminator  
**Manufacturer** Reidell Chemicals Limited  
RR# 1  
Dorchester, ON N0L 1G4 CA  
Phone: (519) 285-2083

## 2. Hazards Identification

**Emergency overview** Contact may cause eye and skin irritation.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** Contact can cause mild to moderate irritation.

**Skin** Can cause mild irritation.

**Inhalation** May cause respiratory irritation.

**Ingestion** May cause stomach distress, nausea or vomiting.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Contact with liquid may cause eye and skin irritation.  
Exposed may experience eye tearing, redness, and discomfort.

**Potential environmental effects** See section 12.

## 3. Composition/Information on Ingredients

Components	CAS #	Percent
Hydrogen peroxide	7722-84-1	1 - 5

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

**Notes to physician** Treat patient symptomatically.

**General advice** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear rubber gloves. Keep out of reach of children.

## 5. Fire Fighting Measures

**Flammable properties** Not flammable by WHMIS criteria.

**Extinguishing media**

**Suitable extinguishing media** Treat for surrounding material.

**Unsuitable extinguishing media** Not available

<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Decomposition releases oxygen which may intensify fire.
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxygen.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Sensitivity to static discharge</b>	Not available.

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Wear appropriate protective equipment and clothing during clean-up. See Section 8 for personal protective equipment.
<b>Environmental precautions</b>	No known or expected environmental concerns.
<b>Methods for containment</b>	Collect spillage. For waste disposal, see section 13.
<b>Methods for cleaning up</b>	Before attempting cleanup, refer to hazard data given above.

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## 7. Handling and Storage

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<b>Handling</b>	Practice good housekeeping. Wash thoroughly after handling. When using do not eat or drink.
<b>Storage</b>	Keep out of reach of children. Store in a closed container away from incompatible materials.

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## 8. Exposure Controls/Personal Protection

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### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	TWA	1 ppm

<b>Exposure limits</b>	See above
<b>Engineering controls</b>	General ventilation normally adequate.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Safety glasses if eye contact is possible.
<b>Hand protection</b>	Rubber gloves recommended but not required.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Not normally required. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	Follow good hygienic and housekeeping practices. When using do not eat or drink. Wash hands thoroughly after handling.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless
<b>Form</b>	Liquid
<b>Odour</b>	Odourless
<b>Odour threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>pH</b>	5.7 (as supplied)
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	100 °C (212 °F)
<b>Pour point</b>	Not available.
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	None

<b>Auto-ignition temperature</b>	Not applicable
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not applicable
<b>Flammability Limits in Air, Lower, % by Volume</b>	Not applicable
<b>Heat of combustion</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Specific gravity</b>	1.03 (H <sub>2</sub> O = 1)
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Solubility (Water)</b>	Soluble
<b>Relative density</b>	Not available.
<b>Viscosity</b>	Not available.
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	May react with incompatible materials.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Chemical stability</b>	Stable.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Reducing Agents. Organic materials.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxygen.

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## 11. Toxicological Information

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### Toxicological data

Components	Species	Test results
Hydrogen peroxide (CAS 7722-84-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	2000 mg/kg
	Rat	2000 mg/kg
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Mouse	2000 mg/kg
	Rat	75 mg/kg

### Effects of acute exposure

<b>Eye contact</b>	Contact can cause mild to moderate irritation.
<b>Skin contact</b>	Can cause mild irritation.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Sensitisation</b>	Non-hazardous by WHMIS criteria.
<b>Chronic effects</b>	Non-hazardous by WHMIS criteria.
<b>Carcinogenicity</b>	Non-hazardous by WHMIS criteria. See below.

#### ACGIH Carcinogens

Hydrogen peroxide (CAS 7722-84-1)

A3 Confirmed animal carcinogen with unknown relevance to humans.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Hydrogen peroxide (CAS 7722-84-1)

Volume 36, Supplement 7, Volume 71 - 3 Not classifiable as to carcinogenicity to humans.

<b>Mutagenicity</b>	Non-hazardous by WHMIS criteria.
<b>Reproductive effects</b>	Non-hazardous by WHMIS criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS criteria.
<b>Name of Toxicologically Synergistic Products</b>	Not available.

**12. Ecological Information****Ecotoxicity** See below**Ecotoxicological data****Components**

Hydrogen peroxide (CAS 7722-84-1)

		<b>Species</b>	<b>Test results</b>
Algae	IC50	Algae	2.5 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7.7 mg/L, 48 Hours

**Persistence and degradability** Not available.**Bioaccumulation/accumulation** Not available**Mobility in environmental media** Not available.**Environmental effects** Not available.**Aquatic toxicity** Not available.**Chemical fate information** Not available.**13. Disposal Considerations****Disposal instructions** Review federal, provincial, and local government requirements prior to disposal.**Waste from residues / unused products** Collect and dispose of in house hold trash.**Contaminated packaging** Discard in trash or offer for recycling.**14. Transport Information****Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

**15. Regulatory Information****Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.**Canada WHMIS Ingredient Disclosure: Threshold limits**

Hydrogen peroxide (CAS 7722-84-1) 1 %

**WHMIS Classification** Exempt - Consumer product**Inventory status**

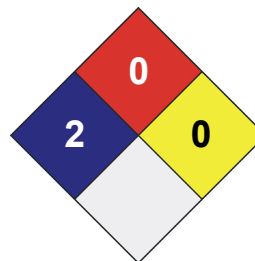
<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		X



### Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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15-March-2018

### Prepared by

Dell Tech Laboratories Ltd. Phone: (519) 858-5021

### Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.