



# HYDROGEN PEROXIDE SOLUTION, 3%

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015  
Date of issue: 02/21/2017 Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product name : HYDROGEN PEROXIDE SOLUTION, 3%

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Anti-infective and cleansing agent for wounds

#### 1.3. Details of the supplier of the safety data sheet

RW Consumer Products Ltd  
200 Omand's Creek Blvd  
Winnipeg, Manitoba R2R 1V7 - Canada  
T (204) 786-6873

#### 1.4. Emergency telephone number

Emergency number : CANUTEC (613) 996-6666

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Not classified.

#### 2.2. Label elements

##### GHS labelling

No labelling applicable

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name              | Product identifier | %    |
|-------------------|--------------------|------|
| Hydrogen peroxide | (CAS No) 7722-84-1 | 3.00 |

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : None under normal conditions of use.

Symptoms/injuries after skin contact : No adverse effects expected on intact skin. Contact on burn or open skin may cause stinging pain or irritation.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking, and tear production, with marked redness and swelling of the conjunctiva.

Symptoms/injuries after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water.  
Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Oxygen.  
Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Advice for firefighters

Protection during firefighting : Keep upwind of fire. Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite, or other appropriate material), then place in suitable container. Wear recommended personal protective equipment.  
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid eye contact. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.  
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a cool, well-ventilated place. Protect from light. Protect from freezing. Protect containers from physical damage.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Hydrogen peroxide (7722-84-1) |                                      |                       |
|-------------------------------|--------------------------------------|-----------------------|
| ACGIH                         | ACGIH TWA (ppm)                      | 1 ppm                 |
| OSHA                          | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 1.4 mg/m <sup>3</sup> |
| OSHA                          | OSHA PEL (TWA) (ppm)                 | 1 ppm                 |
| IDLH                          | US IDLH (ppm)                        | 75 ppm                |
| NIOSH                         | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 1.4 mg/m <sup>3</sup> |
| NIOSH                         | NIOSH REL (TWA) (ppm)                | 1 ppm                 |

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### 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station.   |
| Hand protection                  | : Wear suitable gloves.  |
| Eye protection                   | : Chemical goggles or face shield.   |
| Skin and body protection         | : Wear suitable protective clothing.   |
| Respiratory protection           | : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. |
| Other information                | : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.   |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                             |
|--|-----------------------------|
| Physical state                             | : Liquid                    |
| Appearance                                 | : Clear                     |
| Colour                                     | : Colourless                |
| Odour                                      | : Odourless                 |
| Odour threshold                            | : No data available         |
| pH   | : 3.5 - 5 @ 20 °C (68 °F)   |
| Melting point                              | : No data available         |
| Freezing point                             | : 0 °C (32 °F)              |
| Boiling point                              | : 100 °C (212 °F)           |
| Flash point                                | : No data available         |
| Relative evaporation rate (butylacetate=1) | : No data available         |
| Flammability (solid, gas)                  | : Not flammable.            |
| Vapour pressure                            | : No data available         |
| Relative vapour density at 20 °C           | : No data available         |
| Relative density                           | : 1.01 @ 20 °C (68 °F)      |
| Solubility                                 | : Water: completely soluble |
| Partition coefficient n-octanol/water      | : No data available         |
| Auto-ignition temperature                  | : No data available         |
| Decomposition temperature                  | : No data available         |
| Viscosity, kinematic                       | : No data available         |
| Viscosity, dynamic                         | : No data available         |
| Explosive limits                           | : No data available         |
| Explosive properties                       | : No data available         |
| Oxidising properties                       | : No data available         |

### 9.2. Other information

|             |                        |
|-------------|------------------------|
| VOC content | : 100 % @21 °C (70 °F) |
|-------------|------------------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat. Incompatible materials. Light.

### 10.5. Incompatible materials

Reducing agents. Organic materials. Dirt alkalis. Rust. Metals.

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### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Oxygen.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified.  
Acute toxicity (dermal) : Not classified.  
Acute toxicity (inhalation) : Not classified.

| HYDROGEN PEROXIDE SOLUTION, 3% |   |
|--------------------------------|---|
| LD50 oral rat                  | > 2000 mg/kg (Calculated acute toxicity estimate) |
| LD50 dermal rabbit             | > 2000 mg/kg (Calculated acute toxicity estimate) |
| LC50 inhalation rat            | > 20 mg/l/4h (Calculated acute toxicity estimate) |

| Hydrogen peroxide (7722-84-1) |   |
|-------------------------------|---|
| LD50 oral rat                 | 1518 mg/kg                              |
| LD50 dermal rat               | 4060 mg/kg                              |
| LD50 dermal rabbit            | 2000 mg/kg                              |
| LC50 inhalation rat           | 2 g/m <sup>3</sup> (Exposure time: 4 h) |

Skin corrosion/irritation : Not classified.  
pH: 3.5 - 5 @ 20 °C (68 °F)  
Serious eye damage/irritation : Not classified.  
pH: 3.5 - 5 @ 20 °C (68 °F)  
Respiratory or skin sensitisation : Not classified.  
Germ cell mutagenicity : Not classified.  
Carcinogenicity : Not classified.

| Hydrogen peroxide (7722-84-1) |                      |
|-------------------------------|----------------------|
| IARC group                    | 3 - Not classifiable |

Reproductive toxicity : Not classified.  
STOT-single exposure : Not classified.  
STOT-repeated exposure : Not classified.  
Aspiration hazard : Not classified.  
Symptoms/injuries after inhalation : None under normal conditions of use.  
Symptoms/injuries after skin contact : No adverse effects expected on intact skin. Contact on burn or open skin may cause stinging pain or irritation.  
Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking, and tear production, with marked redness and swelling of the conjunctiva.  
Symptoms/injuries after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

| Hydrogen peroxide (7722-84-1) |  |
|-------------------------------|--|
| LC50 fish 1                   | 16.4 mg/l (Exposure time: 96 h - Species: Pimephales promelas)             |
| EC50 Daphnia 1                | 18 - 32 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])       |
| LC50 fish 2                   | 18 - 56 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

### 12.2. Persistence and degradability

| HYDROGEN PEROXIDE SOLUTION, 3% |                  |
|--------------------------------|------------------|
| Persistence and degradability  | Not established. |

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### 12.3. Bioaccumulative potential

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|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### Hydrogen peroxide (7722-84-1)

|            |                      |
|------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |
|------------|----------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

Other information : No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT/TDG

Not regulated

## SECTION 15: Regulatory information

### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

#### Hydrogen peroxide (7722-84-1)

|  |
|--|
| Listed on the United States SARA Section 302 |
|--|

|  |                              |
|--|------------------------------|
| SARA Section 302 Threshold Planning Quantity (TPQ) | 1000 lb (concentration >52%) |
|--|------------------------------|

### 15.2. International regulations

No additional information available

### 15.3. US State regulations

#### Hydrogen peroxide (7722-84-1)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Date of issue : 02/21/2017

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Version : 1.0

Other information : None.

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