

## 1. Identification

<b>Product identifier</b>	<b>ARMOURON</b>	
<b>Other means of identification</b>	None.	
<b>Recommended use</b>	Hard Surface Disinfectant	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	Food Safety Alliance	
<b>Address</b>	8-1020 Hargrieve Rd London, ON N6E 1P5 Canada	
<b>Telephone</b>	Phone:	519-601-4444
<b>Website</b>	www.thefsa.ca	
<b>E-mail</b>	abrock@thefsa.ca	
<b>Emergency phone number</b>	CHEMTREC: International	1-703-527-3887
	CHEMTREC:	1-800-424-9300
<b>Supplier</b>	See above.	

## 2. Hazard identification

<b>Physical hazards</b>	Flammable liquids	Category 4
	Oxidizing liquids	Category 2
	Organic peroxides	Type D
	Corrosive to metals	Category 1
<b>Health hazards</b>	Acute toxicity, inhalation	Category 4
	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Specific target organ toxicity following single exposure	Category 3 respiratory tract irritation
<b>Environmental hazards</b>	Not classified.	

**Label elements**



<b>Signal word</b>	Danger
<b>Hazard statement</b>	Causes severe skin burns and eye damage. Combustible liquid. May be corrosive to metals. May cause respiratory irritation. Harmful if inhaled. May intensify fire; oxidizer. Heating may cause a fire.
<b>Precautionary statement</b>	
<b>Prevention</b>	Keep only in original packaging. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from clothing and other combustible materials. Wear protective gloves, protective clothing, eye protection and face protection. Wash thoroughly after handling. Avoid breathing mist, vapors or spray. Ground and bond container and receiving equipment. Use only outdoors or in a well-ventilated area.
<b>Response</b>	Absorb spillage to prevent material-damage. In case of fire: Use appropriate media to extinguish. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. IF INHALED: remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Storage</b>	Store in a corrosion resistant container with a resistant inner liner. Store at room temperature. Protect from sunlight. Store locked up. Store separately. Keep cool. Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	Dispose of container in accordance with local, regional, national and international regulations.

<b>Other hazards</b>	None known.
<b>Supplemental information</b>	This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).  This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.  Exempt - Registered product - (DIN 02502887).

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Hydrogen peroxide		7722-84-1	25
Inert ingredients		Proprietary	5

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** Not applicable to DIN products. Refer to product label for active ingredient content.

### 4. First-aid measures

<b>Inhalation</b>	If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
<b>Skin contact</b>	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.
<b>Eye contact</b>	If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then, continue rinsing eye.
<b>Ingestion</b>	If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
<b>Most important symptoms/effects, acute and delayed</b>	Causes serious eye damage. Burning pain and severe corrosive skin damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically.
<b>General information</b>	Take off all contaminated clothing immediately. Contact with combustible material may cause fire. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wear suitable protective clothing. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Do not inhale vapours. Avoid contact with eyes and skin. Keep out of reach of children. Contact with combustible material and heat may cause fire.  Take container, label or product name and DIN Number with you when seeking medical attention.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water Fog.
<b>Unsuitable extinguishing media</b>	Carbon dioxide.
<b>Specific hazards arising from the chemical</b>	Greatly increases the burning rate of combustible materials. Containers may explode when heated. During fire, gases hazardous to health may be formed.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of phosphorus. Oxides of carbon. Oxygen.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Cool containers with flooding quantities of water until well after fire is out.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	Combustible. May intensify fire; oxidizer. Contact with combustible material may cause fire. Heating may cause a fire. These substances will accelerate burning when involved in a fire.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep away from clothing and other combustible materials. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

### Methods and materials for containment and cleaning up

Stop leak if you can do so without risk. Use water spray to reduce vapours or divert vapour cloud drift. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Ventilate the contaminated area. Wear appropriate protective equipment and clothing during clean-up.

Large Spills: Never return spills to original containers for re-use. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

### Environmental precautions

Do not discharge into lakes, streams, ponds or public waters.

## 7. Handling and storage

### Precautions for safe handling

Keep away from heat. Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. Do not get this material in contact with eyes. Provide adequate ventilation. Avoid prolonged exposure. Wear appropriate personal protective equipment. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink.

### Conditions for safe storage, including any incompatibilities

Store at room temperature. Do not freeze. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Do not store near combustible materials. Keep out of reach of children. Store in a cool, dry, well-ventilated place away from incompatible materials. Do not store in an unvented container. Keep away from heat, open flames or other sources of ignition.

## 8. Exposure controls/Personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

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

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	TWA	1.4 mg/m <sup>3</sup>
		1 ppm

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

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

#### Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

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

#### Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

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

#### Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)

Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	TWA	1.4 mg/m <sup>3</sup>

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

Components	Type	Value
		1 ppm

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	15 minute	2 ppm
	8 hour	1 ppm

<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	See above
<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear chemical goggles and face shield.
<b>Skin protection</b>	
<b>Hand protection</b>	Impervious gloves. Confirm with reputable supplier first. Do not wear cotton, wool or leather gloves.
<b>Other</b>	Wear suitable protective clothing. As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2). Do not use any form of air-purifying respirator (APR), especially those containing oxidizable sorbents such as activated carbon.
<b>Thermal hazards</b>	Not applicable.
<b>General hygiene considerations</b>	Keep from contact with clothing and other combustible materials. Remove and wash contaminated clothing promptly. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. When using do not eat or drink.

**9. Physical and chemical properties**

<b>Appearance</b>	Clear
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Pungent
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	> 60.0 °C (> 140.0 °F) Closed cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.

<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	May intensify fire; oxidiser.

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## 10. Stability and reactivity

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<b>Reactivity</b>	Greatly increases the burning rate of combustible materials.
<b>Chemical stability</b>	Stable under recommended storage conditions. May decompose if heated.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to avoid</b>	Heat. Do not mix with other chemicals. May be corrosive to metals.
<b>Incompatible materials</b>	Acids. Reducing Agents. Metals. Caustics. Combustible materials.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of phosphorus. Oxides of carbon. Oxygen.

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## 11. Toxicological information

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### Information on likely routes of exposure

<b>Inhalation</b>	Harmful if inhaled. May cause respiratory tract irritation.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting. Causes digestive tract burns.

**Symptoms related to the physical, chemical and toxicological characteristics** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Contact with this material will cause burns to the skin, eyes and mucous membranes.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test Results
Hydrogen peroxide (CAS 7722-84-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 170 mg/m3, 4 Hours, ECHA
<i>Oral</i>		
LD50	Rat	1026 mg/kg, ECHA, male 693.7 mg/kg, ECHA, female

#### Inert ingredients (CAS Proprietary)

##### Acute

##### *Dermal*

LD50 Not available

##### *Inhalation*

LC50 Not available

##### *Oral*

LD50 Not available

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

##### Exposure minutes

Not available.

##### Erythema value

Not available.

##### Oedema value

Not available.

#### Serious eye damage/eye irritation

Causes serious eye damage.

<b>Corneal opacity value</b>	Not available.
<b>Iris lesion value</b>	Not available.
<b>Conjunctival reddening value</b>	Not available.
<b>Conjunctival oedema value</b>	Not available.
<b>Recover days</b>	Not available.

#### Respiratory or skin sensitisation

##### Canada - Alberta OELs: Irritant

Hydrogen peroxide (CAS 7722-84-1) Irritant

**Respiratory sensitisation** Not a respiratory sensitizer.

**Skin sensitisation** This product is not expected to cause skin sensitisation.

**Germ cell mutagenicity** Non-hazardous by WHMIS criteria.

**Carcinogenicity** See below.

##### ACGIH Carcinogens

Hydrogen peroxide (CAS 7722-84-1) A3 Confirmed animal carcinogen with unknown relevance to humans.

##### Canada - Manitoba OELs: carcinogenicity

Hydrogen peroxide (CAS 7722-84-1) 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.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Respiratory tract irritation.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful.

**Further information** Not available.

## 12. Ecological information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

#### Ecotoxicological data

Components	Species	Test Results
Hydrogen peroxide (CAS 7722-84-1)		
Algae	IC50	Algae 2.5 mg/L, 72 Hours
Crustacea	EC50	Daphnia 7.7 mg/L, 48 Hours

**Persistence and degradability** Not available.

**Bioaccumulative potential** No data available.

**Mobility in soil** No data available.

**Mobility in general** Not available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of the empty container in accordance with municipal/provincial/territorial requirements. Offer for recycling, if available.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### General

Canada: TDG Proof of Classification: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

TDG: See shipping document for information.

## 15. Regulatory information

### Canadian federal regulations

This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.

Exempt - Registered product - (DIN 02502887).

KEEP OUT OF REACH OF CHILDREN.  
READ THE LABEL BEFORE USING. DANGER  
CORROSIVE

Causes severe eye damage and skin burns.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes severe eye damage and skin burns.

Do not inhale spray or mist. Do not get into eyes or on skin or clothing. Wash hands, face and exposed skin before eating, drinking, smoking or after leaving the work area. Remove contaminated clothing and wash prior to re-use. Avoid contact by mouth, with skin or eyes. Accidental splashes on exposed skin should be rinsed immediately with water. Do not mix with other disinfectants or sanitizers (e.g. toilet bowl cleaners, ammonia acids etc.). Wear suitable protective clothing (apron, coveralls, chemical resistant gloves, face shield, goggles) when handling the concentrate (mixing/loading).

### Export Control List (CEPA 1999, Schedule 3)

Not listed.

### Greenhouse Gases

Not listed.

### Precursor Control Regulations

Not regulated.

### WHMIS status

Exempt

### International regulations

### Inventory status

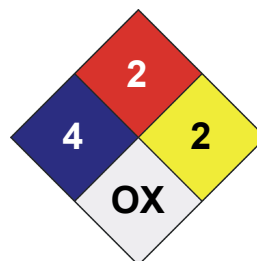
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

\*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	/ 4
FLAMMABILITY	2
PHYSICAL HAZARD	2
PERSONAL PROTECTION	X



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### Version No.

01

### Other information

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

**Disclaimer**

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