

MATERIAL SAFETY DATA SHEET**SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0747 – Proven Winter Rinse**WHMIS Classification:** D2B**Product use:** Salt remover**Product Code Number:** 56544 (860.56519)**MSDS Number:** 0747**Supplier name and address:**

Proven Brand

a division of 1884318 Ontario Inc.

Hamilton, Ontario

1-855-574-5444

Manufacturer's name and address:

Refer to supplier

Emergency Telephone #: CANUTEC (613) 996-6666**SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>LD₅₀ mg/kg oral/rat</u>	<u>LD₅₀ mg/kg skin/rabbit</u>	<u>LC₅₀ ppm inh/mouse</u>
Citric Acid	77-92-9	5-15	5040	n/av	n/av
Ethoxylated alcohol	68131-38-5-4	1-5	2000	n/av	n/av

SECTION 3 — HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Routes of entry: Inhalation, ingestion, skin and eye contact.**Emergency Overview:** May cause eye damage.**Signs and symptoms of short-term (acute) exposure:***Inhalation:* May cause irritation to respiratory tract, if in the form of vapour or fine spray.*Skin contact:* May cause irritation to the skin.*Eye contact:* Contact can result irritation and harm to eyes.*Ingestion:* Irritating to mouth, esophagus and stomach.**Effects of long-term (chronic) exposure:** See Section 11. **Other important hazards:** None reported.**SECTION 4 — FIRST AID MEASURES****Inhalation:** Remove victim to fresh air. If symptoms persist, call a physician.**Skin contact:** Flush skin with plenty of water, while removing contaminated clothing. Wash contaminated clothing before reuse. Obtain medical attention.**Eye contact:** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Consult a doctor immediately.**Ingestion:** Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing.**SECTION 5 — FIRE FIGHTING MEASURES****Fire hazards/conditions of flammability:** Not flammable.**Flash point (Method):** Not applicable. °C (°F)**Lower flammable limit (% by volume):** n/ap**Upper flammable limit (% by volume):** n/ap

Explosion data: *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* Not sensitive.

Oxidizing properties: None.

Auto-ignition temperature: None.

Suitable extinguishing media: As appropriate for burning of surrounding products.

Special fire-fighting procedures/equipment: n/ap

Hazardous combustion products: n/ap

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear adequate personal protective equipment.

Environmental precautions: No special precautions required.

Spill response/Cleanup: Recover and reuse as much of the product as possible. Restrict access to area until completion of clean up. Ensure trained personnel conduct clean up. Do not touch spilled material.

Prohibited materials: None known.

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Safety glasses recommended.

Storage requirements: Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)

Special packaging materials: Plastic or other corrosion resistant containers.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Not normally required.

Protective gloves/Skin protection: Use protection suitable for conditions. Gloves butyl rubber or neoprene.

Eye protection: Use chemical goggles or a full face shield.

Other protective equipment: As required by workplace standards.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, color and odor: Light brown water-like liquid with chemical odour.

Odor threshold: n/av

pH: 2.0-3.0

Boiling point: n/av

Melting/freezing point: n/av

Vapour pressure: n/av

Solubility in water: Very soluble.

Coefficient of oil/water distribution: Essentially zero.

Specific gravity or relative density (water = 1): 1.015

Vapour density: n/av

Volatile organic compounds (VOC's): n/ap

Evaporation rate: n/ap **Percent Volatile by Weight:** n/av

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Normally stable.

Conditions to avoid: Unintentional contact with water and moisture. Keep containers tightly closed, when not in use.

Materials to avoid: Strong bases, reactive metals.

Hazardous decomposition products: Oxides of nitrogen and carbon.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: Not established for this product. See Section 2 for values for ingredients.

LC₅₀: Not established for this product. See Section 2 for values for ingredients.

Exposure limits: see section II

Carcinogenicity: None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen.

Teratogenicity, mutagenicity, other reproductive effects: none

Sensitization to material: Not reported.

Conditions aggravated by exposure: Skin conditions.

Synergistic materials: None known.

Chronic Exposure: None known

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders, eye problems.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: Based on raw ingredients this product would be expected to be readily biodegradable under OECD301 D

Environmental Toxicity: This material is expected to be low in toxicity to aquatic life.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Reuse if possible.

Methods of disposal: Follow local, provincial, state and federal regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Shipping description: Not regulated

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

SECTION 15 — REGULATORY INFORMATION

WHMIS information: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 — OTHER INFORMATION

Prepared by: Armstrong Manufacturing Inc.

Telephone Number: (905) 566-1395

Preparation date: 20 November 2013

References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2003.
2. International Agency for Research on Cancer Monographs, Supplement 7, 1988.
3. Canadian Centre for Occupational Health and Safety. CHEMINFO database.
4. Material Safety Data Sheets from raw materials suppliers.
5. N. Irving Sax. Dangerous Properties of Industrial Materials, Seventh Edition.

n/ap Not applicable

n/av Not available

MV/mt