

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0898 - Proven Pine Disinfectant**Product use:** Disinfectant/ Cleaner**WHMIS Classification:** Not Regulated under WHMIS. Regulated under Health Canada DIN**Product Code Number:** 56554 (860.56554)**MSDS Number:** 0898**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>LD<sub>50</sub></u> <u>mg/kg</u> <u>oral/rat</u>	<u>LD<sub>50</sub></u> <u>mg/kg</u> <u>skin/rabbit</u>	<u>LC<sub>50</sub></u> <u>ppm</u> <u>inh/rat</u>
n-Alkyl C14-50%,C12-40%, C16-10%dimethyl benzyl ammonium chloride Dialkyl	68424-85-1	1-10	366	421	not/av

**SECTION 3 — HAZARDS IDENTIFICATION****\*\*\*POTENTIAL HEALTH EFFECTS\*\*\*****Routes of entry:** Inhalation, ingestion, skin and eye contact.**Signs and symptoms of short-term (acute) exposure:***Inhalation:* irritation with very misting levels, can cause irritation to mucus membranes.*Skin contact:* Direct skin contact can irritation. Corrosive.*Eye contact:* Direct eye contact can cause severe irritation. Corrosive.*Ingestion:* immediate burning pain in the mouth, throat, severe swelling of larynx. Swelling may affect ability to breath. May be fatal.**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:** Rinse with water.**Eye contact:** Flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.**Ingestion:** Immediately call physician. DO NOT induce vomiting. Give several glasses of water. Never give anything by mouth if victim is unconscious or convulsing. NOTE TO PHYSICIAN ! Probable mucosal damage may contraindicate gastric lavage. Measures against circulatory shock, as well as oxygen and measures to support breathing manually or mechanical may be needed. If persistent, convulsions may be controlled by the cautious injection of a short acting barbiturate drug.**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.

**Prohibited materials:** None known.

#### SECTION 7 — HANDLING AND STORAGE

**Safe handling procedures:** Avoid contact eyes.

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

**Special packaging materials:** n/av

#### SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation and engineering controls:** Mechanic ventilation should be adequate.

**Respiratory protection:** Normally not required.

**Protective gloves:** Not normally required. Use impervious gloves in case of sensitive skin.

**Eye protection:** Safety glasses, or chemical goggles if eye contact is likely.

**Other protective equipment:** As required by workplace standards.

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form, color and odor:** clear green liquid with typical pine odour.

**Odor threshold:** n/av

**pH:** 7.0

**Boiling point:** n/av

**Melting/freezing point:** 0 celcius

**Vapour pressure:** n/av

**Solubility in water:** Very soluble.

**Coefficient of oil/water distribution:** Essentially zero.

**Specific gravity or relative density (water = 1):** 1.0-1.01

**Vapour density:** n/ap

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

**Viscosity:** as water

**Evaporation rate:** as water

**Percent Volatile by Weight:** > 80 %

#### SECTION 10 — REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Normally stable.

**Conditions to avoid:** Keep containers tightly closed, when not in use.

**Materials to avoid:** Strong acids and reactive metals.

**Hazardous decomposition products:** Oxides of carbon.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

**LD<sub>50</sub>:** Not established for this product. See Section 2 for values for ingredients.

**LC<sub>50</sub>:** Not established for this product. See Section 2 for values for ingredients.

**Exposure limits:** ACGIH-TLV – Not established.

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

**Teratogenicity, mutagenicity, other reproductive effects:** There is no human or animal information available on teratogenicity, reproductive toxicity, or mutagenicity.

**Sensitization to material:** Not reported.

**Conditions aggravated by exposure:** Skin conditions.

**Synergistic materials:** None known.

## SECTION 12 — ECOLOGICAL INFORMATION

**Environmental effects:** Harmful to aquatic life.

## SECTION 13 — WASTE DISPOSAL

**Handling for disposal:** Remove material with absorbent material and place in a closed labelled container.

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

## SECTION 14 — TRANSPORTATION INFORMATION

**Shipping description:** TDG – Corrosive liquids, basic, organic, N.O.S. (quaternary ammonium compounds, tetrasodium salt of edta), Class 8 UN 3267, Packing Group III

**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:** Not Regulated

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:** 19 September 2013

### References:

1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2001.
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