

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION**

**Product Name:** Pro Series Green Hand Cleaner      **Certified Green:** CCD104/UL2784  
**Product use:** Soap  
**WHMIS Classification:** Not controlled under WHMIS-Regulated by Health Canada as personal use  
**Product Code Number:** 40575, 40596, 40599  
**MSDS Number:** 0482

**Supplier name and address:**  
 Armstrong Manufacturing Inc.  
 2485 Haines Road  
 Mississauga, Ontario L4Y 1Y7  
 (905) 566-1395

**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>
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Not controlled under WHMIS

**SECTION 3 — HAZARDS IDENTIFICATION**

\*\*\*POTENTIAL HEALTH EFFECTS\*\*\*

**Routes of entry:** Ingestion and eye contact.

**Signs and symptoms of short-term (acute) exposure:**

*Inhalation:* No effects are expected.

*Skin contact:* No effects are expected.

*Eye contact:* Contact can result in irritation.

*Ingestion:* May be harmful if swallowed.

**Effects of long-term (chronic) exposure:** See Section 11. **Other important hazards:** None reported.

**SECTION 4 — FIRST AID MEASURES**

**Inhalation:** n/ap

**Skin contact:** n/ap

**Eye contact:** Flush eyes with running water for at least 15 minutes, keeping eyelids open.

**Ingestion:** Call physician.

**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:** n/ap

**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 with eyes.

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

**Special packaging materials:** Plastic containers.

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

**Ventilation and engineering controls:** n/ap

**Respiratory protection:** Normally not required.

**Protective gloves:** n/ap

**Eye protection:** n/ap

**Other protective equipment:** n/ap

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form, color and odor:** Light green clear soap. No fragrance.

**Odor threshold:** n/av

**pH:** 6-8

**Viscosity:** 4000 cps minimum (Spindle #3, 12 rpm)

**Boiling point:** n/av

**Melting/freezing point:** n/av

**Vapour pressure:** n/av

**Solubility in water:** Very soluble.

**Coefficient of oil/water distribution:** n/av

**Specific gravity or relative density (water = 1):** 1.02

**Vapour density:** n/ap

**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:** Keep containers closed, when not in use.

**Materials to avoid:** n/ap

**Hazardous decomposition products:** None.

#### 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:** None known.

## 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:** TDG - 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:** Not controlled under WHMIS- Regulated by Health Canada as personal use

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:** April 7, 2016

**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.



PRODUCT CERTIFIED FOR REDUCED ENVIRONMENTAL IMPACT.  
VIEW SPECIFIC ATTRIBUTES EVALUATED. [UL.COM/EL](http://UL.COM/EL)  
UL 2784

n/ap Not applicable

n/av Not available

MV/mt