

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

**Product Name:** Pro Series Green Glass Cleaner Concentrate  
**WMS Classification:** D2B: Material causing other toxic effects  
**Product use:** Hard Surface Cleaner  
**Product Code Number:** 40570, 40571  
**MDS Number:** 0480

**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> ng/ kg oral / rat</u>	<u>LD<sub>50</sub> ng/ kg skin/ rabbit</u>	<u>LC<sub>50</sub> ppm inh/ rat</u>
Alcohol Ethoxylate	68991-48-0	1-5	>2000	n/av	n/av
Hydrogen Peroxide	7722-84-1	1-5	>500	>2000	n/av
Lauramine Oxide	1643-20-5	1-5	2700	n/av	n/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:* Inhalation of spray or mist can cause irritation of the respiratory tract.

*Skin contact:* Prolonged, repeated contact can cause mild irritation.

*Eye contact:* Can cause mild eye irritation.

*Ingestion:* Can cause irritation of the gastrointestinal system and vomiting.

**Effects of long-term (chronic) exposure:** n/av

**Other important hazards:** n/ap

**SECTION 4 — FIRST AID MEASURES**

**Inhalation:** Remove victim to fresh air. If symptoms persist, call a physician.

**Skin contact:** Remove contaminated clothing. Flush area with plenty of water. If irritation persists, seek medical attention.

**Eye contact:** IMMEDIATELY flush eyes with water for at least 15 minutes, holding the eyelids open. Contact a physician immediately.

**Ingestion:** DO NOT induce vomiting. If victim is completely conscious/alert, rinse mouth with water and give one glass of water. Seek immediate medical attention.

**SECTION 5 — FIRE FIGHTING MEASURES**

**Fire hazards/ conditions of flammability:** Product is water based and non-flammable.

**Flash point (Method):** n/av (>93, PMCC)

**Lower flammable limit (% by volume):** n/av  
**Upper flammable limit (% by volume):** n/av

**Upper flammable limit (% by**

**Explosion data:** *Sensitivity to mechanical impact:* n/ap

*Sensitivity to static discharge:* n/ap

**Oxidizing properties:** A mild oxidizer.

**Auto-ignition temperature:** n/ap

**Suitable extinguishing media:** water spray, foam, dry chemical, or carbon dioxide

**Special fire-fighting procedures/equipment:** Fire-fighters should wear a positive pressure self-contained breathing apparatus, approved by NIOSH/MSHA.

**Hazardous combustion products:** Oxides of carbon & nitrogen.

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear adequate personal protective equipment.

**Environmental precautions:** General ventilation.

**Spill response/Cleanup:** Before attempting clean-up, review hazard data in this MSDS. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered and labelled containers.

**Prohibited materials:** n/ap

#### SECTION 7 — HANDLING AND STORAGE

**Safe handling procedures:** Maintain adequate ventilation. Wear recommended personal protection. Wash hands thoroughly after handling.

**Storage requirements:** Store in a cool, dry place with lid on.

**Special packaging materials:** n/av

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

**Ventilation and engineering controls:** general ventilation

**Respiratory protection:** If conditions are such that a mist is created wear a NIOSH/MSHA approved mask for mists.

**Protective gloves:** Protective gloves such as natural rubber, neoprene, latex, or butyl rubber should be worn to prevent skin contact.

**Eye protection:** safety glasses

**Other protective equipment:** Make sure an eyewash station and safety shower is available.

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form colour and odour:** Clear colourless liquid

**Odour threshold:** Odourless

**Boiling point:** 100°C

**Vapour pressure:** n/av

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

**Specific gravity or relative density (water = 1):** 1.023

**Volatile organic compounds (VOCs):** n/av

98% (w/w)

**pH (as supplied):** 4.5-5.5

**Melting/freezing point:** 0°C

**Solubility in water:** soluble

**Vapour density:** n/av

**Evaporation rate:** n/av

**Percent Volatile by Weight:**

#### SECTION 10 — REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Product is stable

**Conditions to avoid:** Contact with strong oxidizers and reducing agents.

**Materials to avoid:** Avoid contact with strong oxidizers.

**Hazardous decomposition products:** Thermal decomposition can produce oxides of carbon and nitrogen, and hydrogen chloride.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

**LD<sub>50</sub>:** See Section 2.

**LC<sub>50</sub>:** See Section 2.

**Exposure limits:** ACGIH-TLV; ACGIH-STEL; ACGIH-CEILING n/av

**Carcinogenicity:** No ingredient listed by IARC, ACGIH, NTP, or OSHA as carcinogens.

