

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0199 – PROODOR LIQUID ENZYME CLEANER**WHMIS Classification:** Not controlled.**Product use:** Enzyme cleaner.**Product Code Number:** 39000, 39002, 39001, 39003**MSDS Number:** 0199**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>
--------------------	--------------	-------------------	---	--	--

All ingredients are non hazardous as defined by WHMIS under the HP, or present below disclosure requirements.

**SECTION 3 — HAZARDS IDENTIFICATION**

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

**Routes of entry:** Ingestion and eye contact.**Signs and symptoms of short-term (acute) exposure:***Inhalation:* May be harmful if inhaled.*Skin contact:* May cause skin irritation.*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:** Remove victim to fresh air.**Skin contact:** Rinse with water. Wash with soap and water. Contact a physician if irritation develops.**Eye contact:** Flush eyes with running water for at least 15 minutes, keeping eyelids open.**Ingestion:** Call physician immediately..**SECTION 5 — FIRE FIGHTING MEASURES****Fire hazards/conditions of flammability:** Will not burn.**Flash point (Method):** n/ap**Lower flammable limit (% by volume):** n/av**Upper flammable limit (% by volume):** n/av**Explosion data:** *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* Not sensitive.**Oxidizing properties:** None.**Auto-ignition temperature:** n/av.

**Suitable extinguishing media:** Any media appropriate for surrounding materials.

**Special fire-fighting procedures/equipment:** n/av

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

#### SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear protective equipment as required by workplace standards.

**Environmental precautions:** Prevent spills from entering waterways.

**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.

**Special packaging materials:** Not prescribed.

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

**Ventilation and engineering controls:** General ventilation should be sufficient.

**Respiratory protection:** Normally not required.

**Protective gloves:** Recommended.

**Eye protection:** Safety glasses.

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

#### SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form, color and odor:** White emulsion, herbal spring odour.

**Odor threshold:** n/av

**pH:** n/av

**Boiling point:** n/av

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

**Vapour pressure:** n/av

**Solubility in water:** Emulsion.

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

**Specific gravity or relative density (water = 1):** 1.00

**Vapour density:** n/ap

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

**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:** Oxides of carbon.

#### SECTION 11 — TOXICOLOGICAL INFORMATION

**LD<sub>50</sub>:** Not established for this product.

**LC<sub>50</sub>:** Not established for this product.

**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:** None reported.

**Sensitization to material:** Not reported.

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

**Synergistic materials:** None known.

<b>SECTION 12 — ECOLOGICAL INFORMATION</b>
--

**Environmental effects:** Not known.

<b>SECTION 13 — WASTE DISPOSAL</b>
------------------------------------

**Handling for disposal:** Reuse if possible.

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

<b>SECTION 14 — TRANSPORTATION INFORMATION</b>
--

**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.

<b>SECTION 15 — REGULATORY INFORMATION</b>
--

**WHMIS information:** Not controlled.

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.

<b>SECTION 16 — OTHER INFORMATION</b>
---------------------------------------

**Prepared by:** Armstrong Manufacturing Inc.

**Telephone number:** (905) 566-1395

**Preparation date:** June 16, 2015

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