

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0093 – ARMSTRONG LAUNDRY DETERGENT**WHMIS Classification:** D2B**Product use:** Cleaning agent**Product Code Number:** 42304, 42307**MSDS Number:** 0093**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**

<b><u>Ingredients</u></b>	<b><u>CAS #</u></b>	<b><u>% (weight)</u></b>	<b><u>LD<sub>50</sub></u> <b>mg/kg</b> <b>oral/rat</b></b>	<b><u>LD<sub>50</sub></u> <b>mg/kg</b> <b>skin/rabbit</b></b>	<b><u>LC<sub>50</sub></u> <b>ppm</b> <b>inh/rat</b></b>
Sodium dodecylbenzene sulphonate	27176-87-0	1-5	1260	N/Av	N/Av
Sodium xylene sulfonate	1300-72-7	7-13	>500	N/Av	N/Av
Alcohols, C12-16, Ethoxylated	68551-12-2	7-13	2140	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:* High concentration of mist or spray will cause irritation to the eyes, nose, throat and lungs. Entry of liquid into lungs can cause swelling (edema).*Skin contact:* Irritating to skin. May cause redness, pain or itching.*Eye contact:* Contact can result in pain, redness and watering, with possible corneal damage.*Ingestion:* Harmful if swallowed. May cause nausea, vomiting and diarrhea.**Effects of long-term (chronic) exposure:** Prolonged skin contact may cause dermatitis.**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. Call physician if irritation or rash persists after washing. Wash contaminated clothing before reuse.**Eye contact:** IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Call physician 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. May decompose if heated to very high temperatures.

**Flash point (Method):** Not applicable.

**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:** Use extinguishing materials that are appropriate for surrounding burning material.

**Special fire-fighting procedures/equipment:** Fire-fighters should wear appropriate respiratory protection.

**Hazardous combustion products:** Decomposition may release toxic oxides of carbon, nitrogen and sulphur.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear adequate personal protective equipment (see Section 7). Wash thoroughly after handling. Area of spill will be slippery.

**Environmental precautions:** Avoid release of spilled material into waterways such as streams and lakes.

**Spill response/Cleanup:** Recover and reuse as much of the product as possible. Absorb remainder with inert absorbent, such as vermiculite or paper towels. Gather up absorbent and place in corrosion-resistant containers, such as plastic, for disposal. Flush area with lots of water to remove slippery residue.

**Prohibited materials:** None known.

## SECTION 7 — HANDLING AND STORAGE

**Safe handling procedures:** Avoid contact with eyes and clothing. Avoid prolonged contact with skin. Wear proper protective equipment, including rubber gloves while handling.

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

**Special packaging materials:** Rustproof materials recommended.

## SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Ventilation and engineering controls:** General ventilation should be adequate, unless spray is generated.

**Respiratory protection:** Normally not required. If respiratory irritation occurs, use respirator approved for mists.

**Protective gloves:** Rubber or neoprene gloves are recommended if prolonged skin contact expected to occur.

**Eye protection:** Safety glasses or chemical goggles recommended.

**Other protective equipment:** As required by workplace standards. An eyewash station or other source of flowing water should be in the area.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Physical form, colour and odor:** Opaque blue liquid, perfumed odour

**Odour threshold:** Not available

**pH:** 11.0 +/- 0.5

**Boiling point:** Not available

**Melting/freezing point:** Not available

**Vapour pressure:** Not available

**Solubility in water:** Soluble.

**Coefficient of oil/water distribution:** Not available

**Specific gravity or relative density (water = 1):** 1.05

**Vapour density:** Not available

**Volatile organic compounds (VOC's):** Not available

**Evaporation rate:** Not available

**Percent Volatile by Weight:** Not available

## SECTION 10 — REACTIVITY AND STABILITY DATA

**Stability and reactivity:** Normally stable.

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

**Materials to avoid:** Strong acids, reactive metals, and ammonium salts.

**Hazardous decomposition products:** Caustic fumes, potassium oxides.

## 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-TWA: None established.

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

**Teratogenicity, mutagenicity, other reproductive effects:** None available.

**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. Do not discharge waste material into the environment.

**Methods of disposal:** Follow local, provincial or 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:** 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:** June 22, 2012

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.

n/ap Not applicable

n/av Not available