

MATERIAL SAFETY DATA SHEET**SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** 0100 – Oxycron**WHMIS Classification:** D2B**Product use:** Cleaning agent**Product Code Number:** 42502, 42504, 42505, 42506**MSDS Number:** 0100**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>LD₅₀</u> <u>mg/kg</u> <u>oral/rat</u>	<u>LD₅₀</u> <u>mg/kg</u> <u>skin/rabbit</u>	<u>LC₅₀</u> <u>ppm</u> <u>inh/rat</u>
Alkyaryl sulphonic acid	27176-87-0	3-7	1,000	N/Av	N/Av
Alcohol ethoxylate	proprietary	1-5	1-3 g/kg	N/Av	N/Av
Citric acid	77-92-9	1-5	6,730	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:* Excessive inhalation of mists, spray or vapours can cause nasal and respiratory irritation, coughing, possible headache.*Skin contact:* Causes irritation, possibly severe on prolonged contact.*Eye contact:* Can cause moderate to severe irritation.*Ingestion:* Can cause irritation of the gastrointestinal tract, with nausea, vomiting or diarrhea.**Effects of long-term (chronic) exposure:** Prolonged skin contact may cause dermatitis.**Other important hazards:** None**SECTION 4 — FIRST AID MEASURES****Inhalation:** Remove to fresh air. Get medical attention if discomfort persists.**Skin contact:** Immediately flush with lots of water for at least 15 minutes. Remove and machine wash contaminated clothing. Dispose of contaminated leather goods. Get medical attention if pain persists after affected area is washed.**Eye contact:** Flush eyes immediately with large amounts of water for at least 20 minutes, holding lids apart to ensure complete irritation of the eye. Get immediate medical attention.**Ingestion:** DO NOT INDUCE VOMITING. If conscious, rinse mouth with water, then give water or milk. Get immediate medical attention. If vomiting occurs naturally, have victim lean forward to avoid breathing in of vomited material, then rinse mouth with water and have victim drink more fluids.**SECTION 5 — FIRE FIGHTING MEASURES****Fire hazards/conditions of flammability:** Not flammable.**Flash point (Method):** Not established (product is not expected to be flammable or combustible).

Lower flammable limit (% by volume): Not applicable

Upper flammable limit (% by volume): Not applicable

Explosion data: *Sensitivity to mechanical impact:* Unlikely to be sensitive. *Sensitivity to static discharge:* Unlikely to be sensitive.

Oxidizing properties: Contains small amounts of oxidizing material. However, due to very low concentrations, the product itself will not be an oxidizer.

Auto-ignition temperature: Not available

Suitable extinguishing media: Foam, water fog, dry chemical, carbon dioxide.

Special fire-fighting procedures/equipment: Fire-fighters should wear self-contained breathing apparatus with a full facepiece, approved by NIOSH/MSHA, operated in the positive pressure demand mode when fighting fires.

Hazardous combustion products: Ignition of solid residue or thermal decomposition may release toxic gases such as carbon monoxide and carbon dioxide, as well as oxides of sulphur and nitrogen.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access to area until completion of cleanup. Use protective equipment as described in Section 8.

Environmental precautions: Avoid discharging spilled material into waterways, such as sewers, streams or lakes.

Spill response/Cleanup: Dike to contain material. Collect as much of the spilled material as possible in corrosion-resistant containers for possible reuse. Absorb the remaining material with sand, vermiculite or other absorbent material. Wash residue with detergent and water.

Prohibited materials: None known.

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: Maintain adequate ventilation. Wash thoroughly after handling. Chemical safety goggles should be worn whenever working with material. Wash contaminated clothing thoroughly.

Storage requirements: Store in sturdy plastic or corrosion-resistant metal containers, away from heat. Secondary containment should be provided in storage areas to minimize environmental contamination in the event of a leak, spill or other release.

Special packaging materials: Plastic or corrosion-resistant containers recommended.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: General ventilation normally adequate.

Respiratory protection: If mists or spray generated, wear a NIOSH/MSHA approved respirator equipped with dust and mist filters.

Protective gloves: Rubber, Neoprene or butyl rubber gloves are recommended if skin contact might occur.

Eye protection: Chemical goggles recommended.

Other protective equipment: Eye-wash station. Safety shower. Protective equipment should be cleaned thoroughly after each use.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: White viscous liquid, with mint odour.

Odour threshold: Not available

pH: 4-5

Boiling point: Not available

Melting/freezing point: Not available

Vapour pressure: Not available.

Solubility in water: Partial.

Coefficient of oil/water distribution: Not available

Vapour density: Not applicable

Specific gravity or relative density (water = 1): 1.2 – 1.3

Evaporation rate: Not available

Viscosity: Not available

Percent Volatile by Weight: 56-58%

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Normally stable.

Conditions to avoid: Contact with easily corrodable metals, alkalis.

Materials to avoid: Strong alkalis or oxidizers, soft metals.

Hazardous decomposition products: Thermal decomposition can produce toxic or corrosive gases such as oxides of carbon, nitrogen and sulphur.

SECTION 11 — TOXICOLOGICAL INFORMATION

LD₅₀: See Section 2.

LC₅₀: See Section 2.

Exposure limits: ACGIH-TWA: Not established

Carcinogenicity: No ingredients listed by IARC, ACGIH, NTP, and OSHA as carcinogens.

Teratogenicity, mutagenicity, other reproductive effects: None available.

Sensitization to material: Not reported.

Synergistic materials: None known.

Conditions aggravated by exposure: Skin and respiratory conditions may be aggravated by chronic exposure.

SECTION 12 — ECOLOGICAL INFORMATION

Environmental effects: Alcohol ethoxylate, sodium citrate and sulphonic acid are readily biodegradable and as such full formulation testing would be expected to be readily biodegradable under OECD 301 D .

Aquatic toxicity for alcohol ethoxylate to fish and daphnia would be between 1-10 mg/L and would be classified as low toxicity.

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: October 15, 2017

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

MV/mt/gt