

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

Product identifier: 0143 – ParaBlocks
Product use: Deodorant blocks
Product Code Number: 42553, 42558
MSDS Number: 0143

WHMIS Classification: B3, D2A

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 mg/kg oral/rat</u>	<u>LD₅₀ mg/kg skin/rabbit</u>	<u>LC₅₀ ppm inh/rat</u>
Paradichlorobenzene	106-46-6	100	2830 rabbit	2000 rabbit	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 is minimal since vapours are unlikely due to physical properties.

Skin contact: Prolonged contact can cause skin irritation.

Eye contact: Contact may cause eye irritation.

Ingestion: Harmful or fatal if swallowed.

Effects of long-term (chronic) exposure: See Section 11.

Other important hazards: The substance may be toxic to kidneys, liver, central nervous system

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, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.

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

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: Product is combustible.

Flash point (Method): 66.5°C (150°F) (Closed Cup) (TAG)

Lower flammable limit (% by volume): 2.5%

Upper flammable limit (% by volume): 16

Explosion data: *Sensitivity to mechanical impact:* Not sensitive. *Sensitivity to static discharge:* Yes.

Oxidizing properties: None.

Auto-ignition temperature: 413°C (775°F)

Suitable extinguishing media: Small Fire: Use dry chemicals, CO₂, water spray or foam. Large Fire: Water spray, foam, or fog. DO NOT use water jet.

Special fire-fighting procedures/equipment: When heated emits acrid smoke and irritating fumes.

Hazardous combustion products: Carbon oxides (CO, CO₂), halogenated compounds. Toxic fumes of hydrogen chloride.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear adequate personal protective equipment.

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 skin, eyes and clothing. DO NOT ingest. Wash thoroughly after handling.

Storage requirements: Store in a cool, dry area. Keep away from sources of ignition, and incompatible materials, (see Sect. 10) Keep in a cool, well ventilated area.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Mechanic ventilation should be adequate.

Respiratory protection: Normally not required.

Protective gloves: Rubber.

Eye protection: Safety glasses, or chemical goggles.

Other protective equipment: As required by workplace standards.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical form, color and odor: Crystalline solid, with characteristic odor, may contain product specific fragrances.

Odor threshold: n/av

pH: n/ap

Boiling point: 173°C (343.4 °F)

Melting/freezing point: 53°C (127.4°F)

Vapour pressure: n/ap

Solubility in water: Not soluble. Soluble in Methanol, diethyl eter, acetone.

Coefficient of oil/water distribution: n/ap.

Specific gravity or relative density (water = 1): 1.46

Vapour density: 5.08 (air=1)

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

Evaporation rate: n/av

Percent Volatile by Weight: n/av

SECTION 10 — REACTIVITY AND STABILITY DATA

Stability and reactivity: Normally stable.

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

Materials to avoid: Reactive with oxidizing agents, alkalis. .

Hazardous decomposition products: Caustic fumes, oxides of nitrogen, hydrogen gas.

SECTION 11 — TOXICOLOGICAL INFORMATION

Exposure Limits: Paradichlorobenzene ACGIH – TWA 10 ppm; 60 mg/m³ / 8 hours

LD₅₀: See Section 2 for values for ingredients.

LC₅₀: See Section 2 for values for ingredients.

Carcinogenicity: Listed by IARC as Carcinogen - 2B (Possible to humans)

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: Material is harmful to aquatic life.

SECTION 13 — WASTE DISPOSAL

Handling for disposal: Reuse if possible.

Methods of disposal: Use only licensed waste disposal services. Follow local, provincial, state and federal regulations.

SECTION 14 — TRANSPORTATION INFORMATION

Shipping description: TDG – Not controlled for packages less than 5 kg.

Over 5 kg - Environmentally hazardous substance, solid, n.o.s. (p-Dichlorobenzene), Class 9, UN3077, P.G. III

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: B3, D2A

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: May 11, 2004

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

DA:dj