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**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**Product name :** Daki Bathroom**Synonyms :** None known**Chemical Family :** Not applicable (blend)**Application :** Cleaning product**Manufacturer by :**

Daki Ltée  
116, Chemin du Tremblay  
Boucherville (Québec)  
J4B 6Z6

**Prepared By :** The Safety, Health and Environment Department**Preparation date of MSDS :** January 10<sup>st</sup>, 2017**Telephone number of preparer :** (450) 449-9585**24 Hour Emergency Telephone Number (CANUTEC) :** (613) 996-6666

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**2. HAZARDS IDENTIFICATION**

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**Potential Acute Health Effects :****Eye contact :** Contact with liquid may irritate or burn eyes.**Skin contact :** May cause irritation with discomfort et local redness. Unlikely to be absorbed through skin.**Inhalation :** If misted, causes irritation of mucous membranes, nose, eyes and throat.**Ingestion :** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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**HAZARDOUS COMPONENTS**

Ingredients	Pourcentage (W/W)	LD50s and LC50s Route & Species
Citric acid 77-92-9	1 - 5	Oral LD50 Rat = 3000 mg/kg
Lactic acid 79-33-4	1 - 5	Oral LD50 (Rat) 3543 mg/kg Dermal LD50 (Rabbit) >2000 mg/kg

**Notes :** No additional remark.

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**4. FIRST AID MEASURES**

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**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.**Skin contact :** In case of contact, immediately flush skin with plenty of water for at least 15 minutes.**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.**Ingestion:** DO NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.**Notes to physicians :** Treatment based on sound judgment of physician and individual reactions of patient.

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## 5. FIRE FIGHTING MEASURES

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**Flash Point:** > 93,3 °C

**Flash Point Method:** Pensky-Martens Closed Cup

**Auto ignition Temperature:** Not available.

**Flammable Limits in Air (%):** **Lower :**Not available. **Upper :** Not available

**Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Special Exposure Hazards:** Not flammable. Isolate and restrict area access. Stop leak only if safe to do so. Move containers from fire area if you can do it without risk. Fight fire from maximum distance. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure build-up which could result in container rupture. Contain fire control water for later disposal.

**Hazardous Decomposition Materials (under fire conditions):** Carbon oxides.

**Special Protective Equipment:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautionary Measures:** Wear appropriate protective equipment.

**Environmental Precautionary Measures:** Prevent entry into sewers or streams, dike if needed.

**Procedure for Clean Up:** Isolate hazard area and restrict access. Try to work upwind of spill. Prevent spilled material from entering sewers, confined spaces, drains, or waterways. Absorb with an inert dry material and place in an appropriate waste disposal container. Clean up residual with absorbent material and wash with water.

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## 7. HANDLING AND STORAGE

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**Handling:** Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Keep the containers closed when not in use. Launder contaminated clothing prior to reuse. Use appropriate personnel protective equipment. Wash thoroughly after handling.

**Storage:** Keep from freezing.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Gloves:** Appropriate chemical resistant gloves should be worn.

**Skin Protection:** Not required under normal use. Use overalls if splashing or spraying of this product is anticipated when using large quantities in containers of high concentrations.

**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location

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Ingredients	Exposure Limit – ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life and Health - IDLH
Citric acid 77-92-9	Not available	Not available	Not available
Lactic acid 79-33-4	Not available	Not available	Not available

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical State:** Liquid

**Color:** Colorless

**Odor:** Floral

**pH:** 2,5

**Specific Gravity:** 1.00 @ 20 °C

**Boiling Point:** Not available

**Freezing/Melting Point:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**% Volatile by Volume:** Not available

**Evaporation Rate:** Not available

**Solubility:** Miscible in water

**VOCs:** 0%

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known

**Materials to Avoid:** Strong oxidizers. Alkaline agent

**Hazardous Decomposition Products:** Carbon oxides

**Additional Information:** No additional remark.

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## 11. TOXICOLOGICAL INFORMATION

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### Principle Routes of Exposure

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Skin Contact:** May cause irritation with discomfort, local redness, and possible swelling. Unlikely to be absorbed through skin.

**Inhalation:** If misted, causes irritation of mucous membranes, nose, eyes and throat.

**Eye Contact:** Contact with liquid may irritate or burn eyes.

**Additional Information:** None known.

### Acute Test of Product:

**Acute Oral LD50:** Not available

**Acute Dermal LD50:** Not available

**Acute Inhalation LC50:** Not Available.

### Carcinogenicity:

Ingredients	IARC - Carcinogens	ACGIH – Carcinogens
Citric acid 77-92-9	Not listed	Not listed
Lactic acid 79-33-4	Not listed	Not listed

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity:** No additional information available.

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicological Information:

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Citric acid 77-92-9	LC50/96h/goldfish : 440-706 mg/l	Non disponible	Non disponible
Lactic acid 79-33-4	LC50/48h/Fish = 320 mg/l	Non disponible	3.5 mg/L EC50 Pseudokirchneriella subcapitata 70 h

**Other Information:** No additional information available.

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

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## 14. TRANSPORT INFORMATION

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### TDG (Canada):

**TDG Proper Shipping Name:** Not regulated

**Hazard Class:** Not applicable

**UN Number:** Not applicable

**Packing Group:** Not applicable

**Note:** No additional remark

### DOT (U.S.):

**DOT Shipping Name:** Not regulated

**DOT Hazardous Class:** Not applicable

**DOT UN Number:** Not applicable

**DOT Packing Group:** Not applicable

**Notes:** No additional remark.

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## 15. REGULATORY INFORMATION

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**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**WHMIS Hazardous Class:**

Irritant

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## SECTION 16 : OTHER INFORMATION

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**Additional Information:** This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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\*\*\*END OF MSDS\*\*\*