1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : Daki All purpose cleaner – Nettoyant tout usage
Synonyms : None known
Chemical Family : Not applicable (blend)
Application : All purpose cleaner

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 10st, 2017
Telephone number of preparer : (450) 449-9585

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2. HAZARDS IDENTIFICATION

Potential Acute Health Effects :
Eye contact : Eye contact can cause temporary irritation.
Skin contact : Prolonged contact may cause slight skin irritation with local redness.
Inhalation : Single exposure to vapours is not expected to pose a hazard; vapours are primarily water. Mists may cause irritation of upper respiratory tract.
Ingestion : Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of the mouth and throat. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredients	Pourcentage (W/W)	LD50s and LC50s Route & Species
2-Butoxyethanol 111-76-2	3 – 7	Oral LD50 Rat : 470 mg/kg LD50 Mouse: 1230 mg/kg Inhalation LC50 Rat: 450 ppm/4H Mouse: 700 ppm/7H
Ethoxylated C12-15 alcohol 68131-39-5	1 – 5	Dermal LD50 Rabbit: > 2000 mg/kg Oral LD50 Rat: >3200 mg/kg

Notes : No additional remark.

4. FIRST AID MEASURES

Eye contact : Wash eyes with water for a minimum of 30 minutes or until no evidence of the chemical remains. Remove contact lenses, if present, after the first five minutes, and then continue rinsing. Obtain medical attention.
Skin contact : Flush skin with large amounts of water. If irritation persists, get medical attention.
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. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Notes to physicians : There is no specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. In case of massive exposure, victim should be observed for several days for delayed effects. Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower GI tract with subsequent stricture. Aspiration of vomits may cause lung injury. Suggest endotracheal/esophageal control if wash is done. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination.

5. FIRE FIGHTING MEASURES

Flash Point: > 93,3 °C
Flash Point Method: Closed cup
Auto ignition Temperature: Not available.
Flammable Limits in Air (%): Lower : Not available. **Upper :** Not available
Extinguishing Media: Use DRY chemicals, CO2, alcohol foam or water spray.
Special Exposure Hazards: 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): Oxides of nitrogen, oxides of carbon, ammonia. The smoke may contain unidentified toxic and/or irritating compounds.
Special Protective Equipment: Fire fighters should wear full protective clothing, including self-contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

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. Ventilate area. 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.

7. HANDLING AND STORAGE

Handling: For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Launder contaminated clothing prior to reuse. Protect against physical damage. Use appropriate personnel protective equipment. Wash thoroughly after handling. Use with adequate ventilation.
Storage: Store in accordance with good industrial practices. Place away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.
Respiratory Protection: If respiratory irritation is experienced, use a NIOSH approved respirator. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for nonroutine or emergency situations.
Gloves: Appropriate chemical resistant gloves should be worn.
Skin Protection: Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.
Eyes: Goggles
Other Personal Protection Data: Ensure that eyewash stations and safety showers are proximal to the work-station location.

Ingredients	Exposure Limit – ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life and Health - IDLH
2-Butoxyethanol 111-76-2	20 ppm TWA	120 mg/m^3 TWA 25 ppm TWA	Not available
Ethoxylated C12-15 alcohol 68131-39-5	Not available	Not available	Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Yellow
Odor: Typical
pH : 12,2
Specific Gravity: 1.024@ 25 °C
Boiling Point: 100 °C
Freezing/Melting Point: Not available
Vapor Pressure: Not available
Vapor Density: Not available
% Volatile by Volume: 94 %
Evaporation Rate: Not available.
Solubility: Miscible in water.
VOCs: Non disponible
Viscosity: 10 cps @ 25 °C
Molecular Weight: Not applicable (blend)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: None known.
Materials to Avoid: Oxidizing materials and acids.
Hazardous Decomposition Products: Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials. Nitrogen oxides. Carbon oxides. Fumes and irritating gaz.
Additional Information: No additional remark.

11. TOXICOLOGICAL INFORMATION

Principle Routes of Exposure
Ingestion: Single dose oral toxicity is low. Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of the mouth and throat. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.
Skin Contact: Prolonged contact may cause slight skin irritation with local redness. May cause more severe response if confined to skin or skin is abraded (scratched or cut). Repeated contact may cause skin burns. Symptoms may include pain, severe local redness, swelling and tissue damage. Mist may irritate skin. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.
Inhalation: Single exposure to vapours is not expected to pose a hazard; vapours are primarily water. Mists may cause irritation of upper respiratory tract.
Eye Contact: May cause severe eye irritation. Vapours or mists may cause eye irritation.
Additional Information: None known.
Oral LD50: 4200 mg/kg
Dermal LD50: Not available
Inhalation LC50: Not Available.
Carcinogenicity:

Ingredients	IARC – Carcinogens	ACGIH – Carcinogens
2-Butoxyethanol 111-76-2	Not listed	Not listed
Ethoxylated C12-15 alcohol 68131-39-5	Not listed	Not listed

Carcinogenicity Comment: No additional information available.
Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity: None known.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information:

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
2-Butoxyethanol 111-76-2	LC50 acute: 96H bluegill, 1490 mg/l LC50 acute: 24H goldfish, 1650 mg/l	Not available	Not available
Ethoxylated C12-15 alcohol 68131-39-5	Not available	Not available	Not available

Other Information: The surfactants contained in this product are biodegradable according to OCDE test or equivalent.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

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
DOT Reportable Quantity (lbs): Not Applicable.
Notes: No additional remark.

15. REGULATORY INFORMATION

U.S. TSCA Inventory Status: All components of this product are either on theToxic 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:
D2B : Materials Causing Other Toxic Effects

SECTION 16 : OTHER INFORMATION

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*****