

## SAFETY DATA SHEET

**Product Name**

**BIOKLEEN**

Revision Date: 25/03/2024

Version: 001

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** : BIOKLEEN

**Recommended Use** : Disinfectant and Sanitizer  
**(MPI Approved C31- All products except dairy)**  
(All food contact surfaces must be rinsed with portable water after use)

**Company Details** : Advance International Cleaning System (NZ) Ltd

**Address** : 663 Great South Road, Penrose, Auckland 1642

**Telephone Number** : +64 9 525 3792

**Emergency Telephone: Number** : National Poison Information Centre **0800 764 766**

**Date of Preparation** : 25/03/2024

### 2. HAZARD IDENTIFICATION

#### GHS Classification and Categories

Skin Corrosion / Irritation

**Category 2**

Serious eye damage / eye irritation

**Category 2**

Aquatic Toxicity (Chronic)

**Category 3**



**WARNING**

**Code**

**Hazard Statement**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H412 Toxic to aquatic life

**Prevention Statement**

- P102 Keep out of reach of children.
- P103 Read label before use.
- P264 Wash thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response Statement**

- P101 If medical advice is needed, have product container or label at hand.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 IF eye irritation persists: Get medical advice/attention.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P321 Wash with plenty of soap and water.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before re-use.

**STORAGE**

**P501** : Dispose through licensed disposal contractor.

**Other Hazards** : None Known

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient	CAS#	Concentration %
Phosphate	7758-29-4	<5

Nonyl Phenol	9016-45-9	<5
Silicate	10213-79-3	<5
Ammonium Chloride	68424-90-8	<5
Other Ingredients – Non Hazardous		Level

#### 4. FIRST AID MEASURES

<b>Ingestion</b>	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Keep at rest. Immediately call a POISON CENTRE, doctor, or physician. Get medical attention or advice if you feel unwell.
<b>Eye contact</b>	Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes.
<b>Skin contact</b>	Take off immediately all contaminated clothing and wash it before re-use. Immediately call a POISON CENTRE, doctor, or physician.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention or advice if you feel unwell

**Poison Information Centre: Call 0800 764 766 (0800 POISON)**

#### 5. FIRE FIGHTING MEASURE

Suitable extinguishing media :	Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures
Unsuitable extinguishing media :	None known.
Specific hazards during firefighting :	Not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

Hazardous combustion products :	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides
Special protective equipment for firefighters :	Use personal protective equipment. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.
Specific extinguishing methods :	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes

## 6. ACCIDENTAL RELEASE MEASURES

### Emergency Precautions:

Personal precautions, protective equipment and emergency procedures Wear suitable protective clothing, gloves, and eye/face protection. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may be slippery.

Environmental precautions: Do not allow to enter drainage system, surface, or ground water. Dilute with plenty of water. Advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

Methods and material for containment and cleaning up Use neutralising agent. Absorb onto dry sand or similar inert material.

### Environmental precautions:

Do not allow to enter drainage system, surface, or ground water. Dilute with plenty of water.

Advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

### Methods and Materials for Containment and Clean Up:

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

## 7. HANDLING AND STORAGE

### Advice on safe handling:

Wash hands thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product and residue (liquid or vapour) and can be dangerous. Keep container tightly closed. Always wash hands

before smoking, eating, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

**Advice on general occupational hygiene:**

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Wash hands before breaks and at the end of workday. Wash face, hands, and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Use only with adequate ventilation.

Conditions for safe storage: Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers.

Storage temperature: 0 °C to 50 °C

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Standards:** No Tolerable Exposure Limit (TEL)

Workplace Exposure Standards (WES) has been set by the Occupational Safety and Health Service, NZ Department of Labour for this substance.

**Biological limit values:** None established.

**Engineering Controls:**

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment.

## PERSONAL PROTECTIVE EQUIPMENT

**Eye protection:** Safety glasses with side-shields

**Hand / Skin Protection:**

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product. Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the glove's supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥480min Material thickness: ≥0.7mm Suggested gloves for protection against splashes: Material: nitrile

rubber Penetration time:  $\geq 30$ min Material thickness:  $\geq 0.4$ mm In consultation with the supplier of protective gloves a different type providing similar protection maybe chosen.  
**Body protection:** Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).

**Respiratory protection:**

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type “A” filter material is considered suitable for this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Clear / Green liquid
Physical State	: Liquid
Odour	: Odourless
pH	: $10.5 \pm 0.5$
Solubility	: Soluble in water
Vapour Density	: Not Known
Boiling point	: $>100^{\circ}\text{C}$
Freezing Point	: Not Known
Ignition Point	: Not Known
Flash Point	: Not Determined
Specific Gravity	: 1.000 Approx
Vapour pressure	: Not Known
% Volatilities	: Not Applicable

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable at room temperature and Pressure

**Conditions to avoid:** Avoid excessive heat, direct sunlight, moisture, high temperatures. No hazardous reactions are known under normal storage and use conditions.

**Incompatible Materials:** Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of Ignition. Reacts with acids.

**Hazardous decomposition:** When involved in a fire, this product will generate carbon oxides, Nitrogen Oxides, Sulphur Oxides.

**Hazardous reactions:** No dangerous reaction known under conditions of normal use.

## 11. TOXICOLOGICAL INFORMATION

### Mixture data:

No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

### Acute Effects

- Eyes : Causes serious eye irritation.  
Skin : This product is irritating to skin.  
Ingestion : Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness, and tracheal burning.  
Inhalation : Irritating to respiratory tract. Exposure to high concentrations over an extended period may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.  
Exposure : Health injuries are not known or expected under normal use

## 12. ECOLOGICAL INFORMATION

**Persistence/ degradability:** The substance is aerobically readily biodegradable and anaerobically biodegradable.

**Mobility:** No data available for this product.

**Toxicity -Environmental Effects:** Harmful to aquatic life. Avoid contaminating water ways.

**Other adverse effects:** No data available

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods:

Do not contaminate storm water drains, natural waterways, or soil with chemical or used container. Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of contents/container in accordance with local regulations. Dispose of in accordance with local and national regulations.

### Disposal considerations:

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

#### 14. TRANSPORT INFORMATION

**Road and Rail Transport:** Not classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail.

**Marine Transport:** Not classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

**Air Transport:** Not classified as Dangerous Goods by the criteria of international. Air Association Dangerous Goods Regulations for transport by air.

**Special precautions for user:** None

#### 15. REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture

**HSNO Approval No**      **HSR002530**

**Group Standard**            Cleaning Products (Subsidiary hazard) Group Standard 2020

**Inventory Listing(s)**      New Zealand: NZIoC (New Zealand Inventory of Chemicals)  
All components are listed on the NZIoC inventory or are exempt.

#### 16. OTHER INFORMATION

**HSNO Classification:** 6.3A, 6.4 A, 9.1C

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.*

**New Zealand National Poison Information Centre: 0800 764 766**

**New Zealand Emergency Services: 111**

**Advance International Cleaning Systems (NZ) Limited: +64 9 525 3792**

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user



suitability of the product for uses is beyond our control. The information is not intended as an inducement to bargain, and no warranty expressed or implied is made as to its accuracy, reliability or completeness.

Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product complies with appropriate Local Councils regulations.

**End of Safety Data Sheet**