

# SAFETY DATA SHEET

## Hazardous Chemical, Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

**Product name:** ULTRAKLEEN HF  
**Recommended Use:** Heavy Duty Foaming Alkaline Cleaner

**Supplier:** Hygiene Technologies Ltd  
**Street Address:** 28 Rangitane Rd  
Whakatu, Hastings 4102  
New Zealand

**Telephone:** + 64 6 876 4111 or 0800 732 525  
**Facsimile:** + 64 6 878 3802

**Emergency Telephone number:** **National Poisons Centre (24/7)**  
**0800 POISON** (0800 764 766)

### 2. HAZARDS IDENTIFICATION

#### Hazardous Substances

Classified as hazardous according to criteria in GHS 7.

#### Dangerous Goods

This product is classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land



#### Signal Word

DANGER

#### Hazard Classifications

Skin corrosion – Category 1B  
Eye damage – Category 1  
Corrosive to metals – Category 1

#### Group Standard 2020

HSR002526

#### Hazard Statements

**H314** Causes severe skin burns and eye damage.  
**H318** Causes serious eye damage.  
**H290** May be corrosive to metals.

# SAFETY DATA SHEET

## Prevention Statements:

- P260** Do not breathe mist, vapours or spray.  
**P264** Wash hands, face and all exposed skin thoroughly after handling.  
**P280** Wear protective gloves, clothing, and eye protection.  
**P234** Keep only in original packaging

## Response Statements:

- P301+P330+P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
**P363** Wash contaminated clothing before reuse.  
**P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
**P310** Immediately call a POISON CENTRE or doctor.  
**P321** Specific treatment (see Section 4 of this SDS).  
**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P390** Absorb spillage to prevent material damage.

## Storage Statements

- P405** Store locked up.  
**P406** Store in corrosive resistant container with a resistant inner liner.

## Disposal Statements

- P501** Dispose of contents and container in accordance with local, regional, national and international regulations.

## General Statement

- P102** Keep out of reach of children.  
**P103** Read carefully and follow all instructions.

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS No.	PROPORTION
2-Butoxyethanol	111-76-2	1 - 5% (w/w)
Sodium Hydroxide	1310-73-2	< 10% (w/w)
Non Hazardous Ingredients		Balance

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone New Zealand 0800 764 766).

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Keep at rest until fully recovered. Immediately call a POISON CENTRE or doctor if effects persist.

**Skin Contact:** If skin or hair irritation occurs, remove all contaminated clothing and flush skin and

# SAFETY DATA SHEET

hair with running water. If swelling, redness, blistering or irritation occurs seek medical attention. Wash contaminated clothing before reuse.

**Eye Contact:**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Urgently seek medical assistance. Transport to hospital or medical centre.

**Ingestion:**

Do NOT induce vomiting. Rinse mouth with water. Give water to drink to achieve dilution. Never give anything by mouth to an unconscious person. If vomiting occurs, give further waters. Immediately call a POISON CENTRE or doctor.

Refer to National Poisons and Hazardous Chemicals Information Centre 0800 764 766.

## 5. FIRE FIGHTING MEASURES

**Specific Hazard**

Non-combustible material. Upon heating may liberate fumes including oxides of carbon.

**Suitable Extinguishing Media**

Non-combustible. If material is involved in a fire, use media appropriate to surrounding fire conditions. Safe to use water fog, fine water spray, alcohol resistant foam, standard foam and dry agents (carbon dioxide, dry chemical powder).

**Fire/Explosion Hazards**

Following evaporation of aqueous component, residual material can burn if ignited. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus (SCBA) and suitable protective clothing if risk of exposure to products of decomposition.

**HAZCHEM**

2X

## 6. ACCIDENTAL RELEASE MEASURES

Stop leak if safe to do so. Do NOT let product reach drains or waterways. If contamination of sewers or waterways has occurred, advise local emergency services. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Contain minor spills (less than 100L) from local drainage with any suitable bund or barrier. Soak up spilled product using absorbent non-combustible material such as mineral sponge, paper, rags, sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, clearly labeled, dry, sealable containers and hold for safe disposal. Once pick up is complete, flush spill site with plenty of water to eliminate any residue. For large spills from drums and IBCs, alert the local Fire Brigade. Clear area of all unprotected personnel. Slippery when spilt. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect absorbed material in drums which can be closed and sent to landfill. Hold any contaminated water for disposal by a waste disposal contractor. If material does contaminate crops, sewers or waterways, alert local emergency services.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid eye and skin contact. Avoid inhalation of vapour and mist. Wash hands thoroughly after handling. Wear protective gloves, eye protection and overalls when handling bulk product. Avoid release to the environment.

**Conditions for Safe Storage:** Store in a cool, dry, well-ventilated area, away from direct sunlight, heat sources, and food stuffs. Ensure containers are correctly labelled, protected from physical damage, sealed when not in use and stored upright. Check regularly for leaks, spills etc. Keep out of reach of children. Keep containers closed when not in use. Store locked up in original packaging as approved by manufacturer. Do not use empty containers for the storage of foodstuffs.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Workplace Exposure Guidelines

No value assigned for this specific material by the NZ Occupational Safety and Health Services (OSH).

Sodium Hydroxide (ingredient): WES-TWA: 2 mg/m<sup>3</sup> (peak)

2-Butoxyethanol (ingredient): WES-TWA: 121 mg/m<sup>3</sup> (25ppm)

### Engineering Controls

Natural ventilation should be adequate under normal use conditions. Use only in well-ventilated areas. Use exhaust ventilation or wear a respirator if necessary.

### Personal Protective Equipment:

Wear chemical resistant disposable gloves (e.g., PVC or rubber), chemical goggles, safety shoes/rubber boots, apron and overalls. Always wash hands before smoking, eating, drinking or using the toilet. When handling do not eat, drink or smoke. Wash contaminated clothing and other protective equipment before storage or reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear, pale yellow/brown liquid
<b>Odour:</b>	Slight
<b>Solubility:</b>	Miscible in Water
<b>Specific Gravity</b>	1.09 - 1.11
<b>Flash Point (°C):</b>	Not Applicable
<b>pH</b>	> 11.5 (1% Aqueous solution)
<b>Freezing Point</b>	Not Available
<b>Boiling Point</b>	Not Available
<b>Relative Vapour Density</b>	Not Available
<b>Viscosity</b>	Not Available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	This material is stable when stored and used as directed.
<b>Conditions to Avoid:</b>	Elevated temperatures and sources of ignition.
<b>Incompatible Materials:</b>	No information available
<b>Hazardous Decomposition Products:</b>	No information available
<b>Hazardous reactions</b>	Alkaline will react with acid and is mildly corrosive to metals such as zinc, aluminium, tin and lead.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and over exposure occurs are:

<b>Inhalation</b>	Material may be a severe irritant to mucous membranes and respiratory tract.
<b>Skin contact</b>	Corrosive to skin. Contact with skin may result in severe irritation and possible burns.
<b>Ingestion</b>	May cause irritation or burning to throat, gastric tract and stomach.
<b>Eye Contact</b>	Corrosive to eyes. Contact can cause serious damage.
<b>Long Term Effects</b>	Contamination of eyes can result in permanent injury.
<b>Toxicological Data</b>	No LD50 data available for this product. However for component/s: Sodium hydroxide: Dermal LD50 (Rabbit): 1350 mg/kg body weight Butoxyethanol: Acute Oral LD50 (rabbit): 300 mg/kg body weight

## 12. ECOLOGICAL INFORMATION

<b>Aquatic toxicity</b>	HSNO classifications: 9.1C (Harmful in the aquatic environment), 9.3C (harmful to terrestrial vertebrates). Avoid contaminating waterways.
<b>Long-term aquatic hazard</b>	Expected to cause long term effects in the aquatic environment.

## 13. DISPOSAL CONSIDERATIONS

Recycle wherever possible. Whatever cannot be saved for recovery or recycling should be sent to an approved waste disposal contractor for disposal in an approved waste facility. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents using an approved waste disposal contractor. Care should be taken to ensure compliance with national and local regulations. This product is NOT for unauthorised disposal by either landfill or via municipal sewers. Not to be discharged to drains, natural streams or rivers.

**Special Precautions:** Empty drums should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Observe all safeguards on label and in this SDS until container is cleaned, reconditioned, or destroyed. Decontaminate empty containers with water. Dispose of container and unused contents in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION

### ROAD AND RAIL TRANSPORT

Classified as a Dangerous Good according to NZS 5433:2020 Transport of Dangerous Goods on Land.



<b>UN Number:</b>	3266
<b>Proper Shipping Name:</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)
<b>Emergency Response Guide No.:</b>	37
<b>Class:</b>	8
<b>Packing Group:</b>	II
<b>HAZCHEM</b>	2X

**Segregation Dangerous Goods:** Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids.

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



<b>UN Number:</b>	3266
<b>Proper Shipping Name:</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)
<b>Class:</b>	8
<b>Packing Group:</b>	II

# SAFETY DATA SHEET

## AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



<b>UN Number:</b>	3266
<b>Proper Shipping Name:</b>	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (CONTAINS SODIUM HYDROXIDE)
<b>Class:</b>	8
<b>Packing Group:</b>	II

## 15. REGULATORY INFORMATION

**ERMA (NZ) Approval Code** N/A

**Group Standard 2020** HSR002526–Cleaning Products (Corrosive) Group Standard

For more information refer to the ERMA wNo

## 16. OTHER INFORMATION

**Date Issued:** October 27, 2023

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, expressed or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. The User is responsible to evaluate all available information when using the product for any particular use and to comply with all the current legislation.

**End of Safety Data Sheet**