SAFETY DATA SHEET

Hazardous Chemical, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **TERMINEX TABS**
Recommended Sanitation of surfaces and water

Supplier: Hygiene Technologies Ltd
Street Address: 28 Rangitane Rd
Whakatu, Hastings 4172
New Zealand

Telephone: + 64 6 876 4111 or 0800 732 525

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

2. HAZARDS IDENTIFICATION

This material is hazardous according to criteria of EPA New Zealand.



Signal Word
DANGER

Hazard Classifications
Acute Toxicity Oral - Category 4
Acute Toxicity Dermal - Category 3
Skin Corrosion - Category 1B
Serious Eye Damage - Category 1
Specific Target Organ Toxicity (Repeated Exposure) - Category 2

Hazard Statements
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage
H373 May cause damage to organs through prolonged or repeated exposure.

Prevention Precautionary Statements
P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe dusts.
P264 Wash hands, face and all exposed skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves, protective clothing, and eye and face protection.

Response Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P301+P312	IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312	Call a POISON CENTRE or doctor if you feel unwell.
P321	Specific treatment (see first aid section of this SDS).
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P303+361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTRE or doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical attention if you feel unwell.

Storage Precautionary Statement

P405	Store locked up.

Disposal Precautionary Statement

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

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS No.	PROPORTION
Citric Acid	77-92-9	30-60% (w/w)
Sodium Chlorite	7758-19-2	10-30 % (w/w)
Calcium Chloride	10043-52-4	10-30% (w/w)
Ingredients determined to be Non-Hazardous		Balanced

4. FIRST AID MEASURES

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

Ingestion Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious person. If vomiting occurs give further water. Immediately call Poisons Centre or doctor.

Eye Contact Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical attention. Transport to hospital or medical centre.

Skin Contact	This material, or a component of the material, can be absorbed through the skin with resultant toxic effects. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.
Inhalation	Remove person from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if symptoms occur. If not breathing, administer artificial respiration and immediately seek medical attention.
PPE for First Aiders	Wear rubber boots, overalls, gloves, apron, chemical goggles. Use with adequate ventilation. If inhalation risk exists, wear a full-face respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from butyl rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
Notes to physician:	Treat symptomatically. Symptoms may be delayed. Can cause corneal burns.

5. FIRE FIGHTING MEASURES

HAZCHEM	2X
Suitable Extinguishing Media	If material is involved in a fire use dry chemical, carbon dioxide or alcohol-resistant foam. Do not use solid water stream as it may spread the fire.
Specific Hazards	Fire may produce poisonous fumes or irritating, poisonous or corrosive gases.
Fire Fighting further Advice	Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with non-combustible absorbent. Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work upwind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent material to soak up (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods - Initial Emergency Response Guide No: 154

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of dusts. Wear suitable protective equipment.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition.

Store locked up. Do not expose to temperatures exceeding manufacturer's / supplier's recommendations. Store in corrosive resistant container with a resistant inner liner. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Division 8, 6.1 Corrosive Solid, Toxic, N.O.S. as per the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

As published by WorkSafe New Zealand.

	TWA		STEL		NOTICES
	ppm	mg/m³	ppm	mg/m³	
Rouge Dust	-	10	-	-	

WES-TWA (Workplace Exposure Standard - Time-weighted average). The average airborne concentration of a substance calculated over an eight-hour working day.

WES-STEL (Workplace Exposure Standard - Short-term exposure limit). The 15-minute time weighted average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time- weighted average exposures apply. Exposures at concentrations between the WES TWA and the WES STEL should be less than 15 minutes should occur no more than four times per day, and there should be at least 60 minutes between successive

exposures in this range.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values:	As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.
Engineering Measures:	Ensure ventilation is adequate to maintain air concentrations below exposure standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.
Personal Protective Equipment:	RUBBER BOOTS, OVERALLS, GLOVES, APRON, CHEMICAL GOGGLES, DUST MASK/RESPIRATOR (if an inhalation risk exists). Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Wear rubber boots, overalls, gloves, apron, chemical goggles and dust mask. Use with adequate ventilation. If inhalation risk exists, wear a full-face respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from butyl rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
Hygiene Measures:	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dusts. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, flaky solid
Form	Solid

Odour	Not Available
pH	3.0 - 4.0
Freezing Point	Not Available
Boiling Point / Range (°C)	Not Available
Flash Point (°C)	Not Applicable
Flammability	Not Applicable
Explosive Limits	Not Applicable
Vapour Pressure	Not Applicable
Vapour Density	Not Applicable
Specific Gravity	Not Applicable
Solubility	Not Available
Partition Coefficient	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
Kinematic Viscosity	Not Applicable
SADT	Not Available

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is stable under proper handling and storage conditions.
Conditions to Avoid:	Elevated temperatures and sources of ignition.
Incompatible Materials:	Organic peroxides, heat, flame and spark
Hazardous Decomposition Products:	Should not be produced under normal conditions of use and storage.
Hazardous Reactions	In contact with organic peroxides, will cause an immediate fire.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

No data available on final product. Information based on ingredients

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

ACUTE EFFECTS

Inhalation	Material may be an irritant to mucous membranes and respiratory tract.
Skin Contact	Toxic in contact with skin. Can be absorbed through the skin with resultant toxic effects. Contact with skin will result in severe irritation. Corrosive to skin -may cause skin burns.

Ingestion	Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Eye Contact	A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

ACUTE TOXICITY

Inhalation	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L
Skin Contact	Acute toxicity estimate (based on ingredients): 1,000-2,000 mg/Kg bw
Ingestion	This material has been classified as Acute Oral Toxicity - Category 4. Acute toxicity estimate (based on ingredients): 300 - 2,000 mg/Kg bw
Corrosion / Irritancy	Eye: this material has been classified as Serious Eye Damage - Category 1 Skin: this material has been classified as Skin Corrosion - Category 1B.
Sensitisation	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
Aspiration Hazard	This material has been classified as non-hazardous.
Specific Target Organ Toxicity (Single Exposure)	This material has been classified as non-hazardous.
Specific Target Organ Toxicity (Repeat Exposure)	This material has been classified as Specific Target Organ Toxicity (Repeated Exposure) - Category 2. May cause damage to organs through prolonged or repeated exposure.

CHRONIC TOXICITY

Mutagenicity	This material has been classified as non-hazardous.
Carcinogenicity	This material has been classified as non-hazardous.
Reproductive Toxicity (including via lactation)	This material has been classified as non-hazardous.

12. ECOTOXICOLOGICAL INFORMATION

No data available on final product. Information based on ingredients

Avoid contaminating waterways.

Acute aquatic hazard	This material has been classified as Hazardous to the Aquatic Environment Acute - Category 2 – Toxic to aquatic life.
Long-Term Aquatic Hazard	This material has been classified as non-hazardous.
Ecotoxicity in the Soil Environment	This material has been classified as non-hazardous.
Ecotoxicity to terrestrial vertebrates	This material has been classified as Hazardous to Terrestrial Vertebrates.
Ecotoxicity to terrestrial invertebrates	This material has been classified as non-hazardous.
Ecotoxicity	No information available.
Persistence and Degradability	No information available.
Bioaccumulative Potential	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land", International Maritime Dangerous Goods Code (IMDG Code) for transport by sea, and the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

ROAD AND RAIL TRANSPORT



UN Number:	2923
Dangerous Goods Class:	8
Subsidiary Class:	6.1
Packing Group:	II
Hazchem Code:	2X
Emergency Response Guide No:	154
Proper Shipping Name:	CORROSIVE SOLID, TOXIC, N.O.S. (CONTAINS SODIUM CHLORITE)

MARINE TRANSPORT



UN Number:	2923
Dangerous Goods Class:	8
Subsidiary Class:	6.1
Packing Group:	II
Proper Shipping Name:	CORROSIVE SOLID, TOXIC, N.O.S. (CONTAINS SODIUM CHLORITE)

AIR TRANSPORT



UN Number:	2923
Dangerous Goods Class:	8
Subsidiary Class:	6.1
Packing Group:	II
Proper Shipping Name:	CORROSIVE SOLID, TOXIC, N.O.S. (CONTAINS SODIUM CHLORITE)

15. REGULATORY INFORMATION

EPA Group Standard: HSR002510 – Additives, Process Chemicals and Raw Materials (Acutely Toxic, Corrosive) Group Standard 2020

All components of this product are listed on or exempt from the New Zealand Inventory of Chemical (NZIoC).

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)

• Residues arising from industrial waste disposal operations

16. OTHER INFORMATION

Date issued:	March 28, 2024
Version:	1.0
Replaces:	N/A (New SDS)
Date of Next Review:	March 28, 2029

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate.
However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

End of Safety Data Sheet