SAFETY DATA SHEET

Issue date : 7/9/2020, According to 91/155

This Safety Data Sheet (SDS) is provided as a courtesy to assist with proper use and safe handling.
Applicable consumer product use and safety information is provided on the product label and is included for easy reference in Section 16 of this SDS.

Section 1: Identification of Product and Company

Product Name	**CellarGuard Mouldkill**
Product Code	MKRM
Synonyms	None
Product Use	Internal mould killer
Restrictions on Use	Follow directions on the product label

Manufacturer Name Address	Elitepac NZ Limited, 5 Hotunui Drive, Mt Wellington, Auckland, New Zealand

Emergency Telephone Number Monday – Friday 8am-5pm (except holidays) Email: Outside these hours	New Zealand +64-9-570 0594 sales@elitepac.co.nz 0800 764 766

Section 2: Hazards Identification

Classification	This substance is not classified as a dangerous good according to NZS5433: 2007 This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*
	HSNO Approval Number: HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2006
Precautionary Statement	Read the label before use. Avoid release to the environment. Wear eye protection when refilling dispensers.

HSNO Classification	GHS Category	Signal Word	Hazard Code	Hazard Statement
3.1D	Flammable liquid (Low hazard)	Warning	H227	Combustible liquid.
6.3A	Skin irritant	Warning	H315	Causes skin irritation.
6.4A	Eye irritant	Warning	H319	Causes serious eye irritation.
9.1C	Aquatic toxicity (Harmful)		H412	Harmful to aquatic life with long lasting effects.

Prevention Code Prevention Statement	Prevention Code Prevention Statement
P102	Keep out of the reach of children.
P103	Read Label before use.
P233	Keep container tightly closed.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

Response Code and Statement	Prevention Code Prevention Statement
P101	If medical advice is needed, have product container or label at hand.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Was with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310	If continued irritation call a POISON CENTRE or doctor/physician.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code Storage Statement	Storage Code Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Avoid release to the environment. Dilute contents before disposing. Triple rinse container with water before disposing. If not practicable, crush or puncture the container and dispose in domestic or trade waste container.

Section 3: Composition / Information on Ingredients

Ingredients	Wt%	CAS Number
Acetic Acid	<5%	64-19-7
Amine Oxide	<5%	308062-30-8
Ethanol	<10%	64-17-5
Non-hazardous Components	To 100%	Mixture

Section 4: First Aid Measures

Recommended on site emergency facilities:
Ready access to running water is required. Accessible eyewash station is required. Emergency Ready access to shower, hand wash.

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin Contact	Rinse skin with water/shower. If skin irritation or rash occurs
Ingestion	Rinse mouth and drink 1 – 2 glasses water. Never give liquid to a person showing signs of reduced awareness or becoming unconscious. Seek medical assistance if needed or contact poisons information Centre.
General	In case of adverse health effects, seek medical advice. If medical advice is needed, have product container or label at hand. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. Specific treatment (see cleansing agent, e.g. non-abrasive soap). Take off contaminated clothing and wash before re-use.

Section 5: Fire Fighting Measures

Hazard Type	Non flammable or combustible.
Suitable Extinguishing media	Water, foam, CO2, or chemical dry powder to extinguish a local fire. Water spray on large fires only.
Precautions for firefighters and special protective clothing	Standard fire-fighting procedures may be followed, Firefighters wear SCBA and chemical resistant suits including full protective gear.
HAZCHEM CODE	None allocated.

Section 6: Accidental Release Measures

Protective Clothing Requirements	Wear protective gloves/eye protection/face protection.
Land Spill or Leaks:	Small spills – Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Clear area of unprotected personnel. Spills on floors will produce a slippery surface. Shut off, or isolate, all possible sources of ignition. Do not allow any spills, original or diluted, to enter wastewater drains. If material does enter, alert the local drainage authorities. Contain minor (less than 100 litres) from local drainage with any suitable bund or barrier. Where possible dilute with water and contain the resulting solution. Then clean up with mops or any suitable absorbant inert material such as Mineral Sponge, paper, rags, sand or soil. Pack absorbed waste material into drums, which can be closed, for waste disposal. Large spills – bund or dyke to prevent run-off. Large spills from drums should be contained from drains and diluted with water where possible. Alert the local Fire Brigade. Collect absorbed material in open-top drums which can be closed and sent to landfill. Dispose of only in accord with all regulations.

Section 7: Handling and Storage

Approved Handlers:	When present in quantities greater than **250 L** (when in containers greater than **5 L**) or **500 L** (when in containers up to and including **5 L**), a HSNO 3.1B substance must be— (a) under the personal control of an approved handler who holds a current test certificate to manage HSNO class 3 substances; or

	(b) secured so that a person cannot gain access to the substance without tools, keys, or any other device used for operating locks. A substance may be handled by a person who is not an approved handler if— (a) the approved handler has provided guidance to the person in respect of the handling; and (b) the approved handler is available at all times to provide assistance, if necessary, to the person while the substance is being handled by the person.
Precautions for safe handling:	Keep out of reach of children. Do not breathe dust/fume/gas/mist/ vapours/spray. Avoid breathing dust/fume/gas/mist/ vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. In case of inadequate ventilation wear respiratory protection. Read the label before use. Keep away from sparks, open flames and hot surfaces. No smoking. Keep the container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment where appropriate. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid release to the environment. Wear eye protection when refilling dispensers
Conditions for safe storage:	Advisable to segregate from food and feedstuffs Keep out of direct sunlight Store in a locked up, well-ventilated place. Keep cool. Store drums and carboys with secure closures . Store in a well-ventilated place. Keep cool. Keep away from heat and ignition sources. Storage in HSNO defined Hazardous Substance Locations and Transit Depots is required for Class 3.1B products where greater than 100 litres is stored in 20 litre carboys and 200 litre drums, and greater than 250 litres is stored in 5 litre jerries. Handle to prevent damage to containers. Should packaging be damaged, repack into clean and dry containers of the same type and mark the product name carefully on the container. Always replace lids and caps after using the product. Return all packages to safe storage as soon as possible after use.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	Ethanol: WES TWA 1000 ppm.
Personal Protective Equipment	Wear eye protection
Household setting	No special precautions necessary as long as product is used as directed.
Industrial Setting	
Eye Protection	Goggles or other protective eye wear may be worn for protection.
Skin Protection	Gloves may be worn for protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

Section 9: Physical and Chemical Properties

Physical State	Liquid
Colour	Colourless
Clarity	No data available
Odour	Slight vinegar scent

pH	Approx 2.5
Melting Point	No data available
Freezing Point	No data available
Initial Boiling Point and Boiling Range	Approx. >100°
Flash Point	>60˚C – <93˚C

Solubility	Soluble in water
Specific Gravity:	Approx. 1.0
Vapour Pressure	No data available
Evaporation Rate	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	The product is considered stable in normal use.
Chemical Stability	Stable under normal conditions.
Conditions to Avoid	None.

Incompatibility	In general, cleaning products should not be mixed with other chemicals, or unless specifically provided for in the use directions. Will emulsify with petrochemical oils and liquids. Do not mix with chlorine chemicals
Hazardous Decomposition Products	None

Section 11: Toxicological Information

General toxicological information:	No specific data is available for this product. Toxicological data has been evaluated/calculated for the mixture. The product is considered to have the following potential health effects. The evaluation of the product is based on data from the raw material and/or comparable substances. Symptoms or effects that may arise if the product is mishandled and overexposure occurs.
Potential Route(s) of Exposure	Eyes.
Effects of Acute Exposure	
Acute Oral Toxicity:	Calculations for the mixture comes out at >5000 mg/kg hence no classification required.
Acute Dermal Toxicity:	Calculations for the mixture comes out at >5000 mg/kg hence no classification required.
Inhalation	May cause respiratory irritation due to acetic acid. May result in nausea, headache and vomiting.
Ingestion:	No Data, Large amounts may cause some central nervous system effects. Possible symptoms include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, loss of consciousness. Other effects may include nausea, vomiting, diarrhea, abdominal pain and chemical burns to the gastrointestinal tract.
Eye Contact:	A severe eye irritant. Contamination of eyes can result in injury.
Skin Contact:	Contact with skin will result in mild irritation.
Sensitization:	No data available.
In vitro mutagenicity:	No data available.
Chronic Effects	Not available. Not expected to have chronic health effects.
Toxicity Method:	Calculation

Section 12: Ecological Information

General ecological information:	The ecological evaluation of the product is based on data from the raw material and/or comparable substances.
	General notes: • Do not allow undiluted product or large quantities of it to reach groundwater, water bodies or sewage systems. • Avoid release to the environment
Environmental Precautions:	Avoid release to the environment.
Environmental Fate:	Majority of components biodegradable.
Environmental Exposure Limits:	None set

Section 13: Disposal Considerations

Product Waste	Any disposal must be in compliance with New Zealand laws and regulations., Incineration is the preferred method.
Considerations	A substance must be disposed of by: a) exporting the substance from New Zealand as waste; or b) treating the substance so that it is no longer a hazardous substance. c) Avoid release to the environment. Dilute contents 5:1 before disposing. Triple rinse containers before re-use or disposal. If bulk containers are not to be reused, crush or puncture so they cannot contain any other liquid. Safe to discard as domestic or commercial rubbish.
Empty Packaging	Remove label if applicable and offer empty containers for recycling. Recycle wherever possible or consult manufacturer for recycling options.

Section 14: Transport Information

NZ Land Transport Rule	Classified as a hazardous substance according to the HSNO Classification Regulations 2001 – Non flammable or combustible
UN Number:	
Marine Pollutant	NO
Transport Notes:	Tank wagons and transportable containers of any capacity used to carry a substance must comply with the Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004. When a substance is carried on a passenger service vehicle, the substance must— 1. be packaged in a sealed container; and 2. not exceed **2.5 L** per package.

Section 15: Regulatory Information

ERMA Approval Code:	HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2006
HSNO Controls:	Signage >1000 L Emergency Response Plan > 10,000 L
	Limit and monitor exposure during the use of the product. Make use of suitable equipment for handling the product Wear suitable protective clothing while being used. Limit exposure to the environment Dispose of waste or spilt material only through a recognised expert company

Trigger Quantity	
Location and transit depot test certification	100 L (closed containers greater than 5 L) 250 L (closed containers up to and including 5 L) 50 L (open containers)
Hazardous atmosphere zone	100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L (open containers in continuous use)
Fire extinguishers	250 L
Response plans and secondary containment	100 L (for a HSNO 9.1A substance); or 1,000 L (for all other substances)
Signage	100 L (for a HSNO 9.1A substance); or 250 L (for all other substances)

Section 16: Other Information

Prepared By:	Elitepac NZ Ltd
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Revision Note:	None

1. HSNO Approved Code of Practice: The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO COP 8-1 09-06): Preparation of Safety Data Sheets.

Disclaimer

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- End of Safety Data Sheet –