

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: *TMK HAND CLEANER*

Recommended Use: Industrial Grit Hand Cleaner

Supplier: TMK Packers Ltd
Address: 2/20 Trugood Drive, East Tamaki.
PO Box 258 031, Botany, Manukau 2163

Telephone: (+64) 9 273 3753
Facsimile: (+64) 9 273 3752
Website: www.tmkpackers.co.nz

Emergency phone: **National Poisons Centre**
0800 POISON [0800 764 766]

2. HAZARDS IDENTIFICATION

HSNO hazard classification: 9.1C

Hazard Statements:
Harmful to aquatic life with long lasting effects.

Prevention statements:

- Read label before use.
- Read Safety Data Sheet before use.
- Avoid release to environment.

Disposal

- Disposal should be through a qualified contractor.

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
D-limonene	5989-27-5	1.0-10.0
Water and other non-hazardous substances	Mixture	Balance



4. FIRST AID MEASURES

For advice, contact National Poisons Centre (0800 POISON; 0800 764 766) or a doctor. Have product container or label available. Get medical advice if you feel unwell.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Keep warm and rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. 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.

Hazards from combustion products:

Non-combustible but Evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

Precautions for fire fighters and special 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 fighters' uniform.

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions:

Personnel involved in the cleanup should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leaking if safe to do so. Do not let products reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management.



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

Handling:

Wash thoroughly after handling. Natural ventilation is adequate. Avoid contact with eyes, skin and clothing. 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.

Storage:

Store in a tightly closed container. Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers closed at all times, check regularly for leaks.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

Biological limit values:

None established

Engineering Controls:

The use of local exhaust ventilation is recommended (but not mandatory) to control process emissions near the source. Provide mechanical ventilation of confined spaces.

Personal protective equipment:

Not required for normal use, but in case for use in bulk then refer to below:

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.

Eye Protection:

Always use safety glasses or a face shield when handling this product.

Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.



9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Thick Yellow Cream
Odour	-	Orange Smell
Flash Point	°C	Not available
Specific gravity @ 20°C	g/ml	Not available
Vapour Pressure @ 20°C	mm Hg	Not available
Vapour Density @ 20°C	kPa	Not available
Boiling Point	°C	Not available
Freezing Point	°C	Not Available
Volatiles	%vol/vol	Not available
Alkalinity/acidity (as pH)	-	7.5-8.5
Solubility in Water	% w/w	Dispersible
Physical State	-	Liquid
Viscosity	-	High

The values listed are indicative of this product's physical and chemical properties.

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at room temperature and pressure

Conditions to avoid:

No real conditions to avoid.

Incompatible Materials:

Incompatible with strong oxidizers and acids

Hazardous decomposition:

When involved in a fire, this product may generate carbon monoxide

11. TOXICOLOGICAL INFORMATION

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

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.

Eye Contact:

This product is irritating, and pain followed by swelling to the conjunctiva.

Skin Contact:

This product may be irritating to the skin.



Inhalation:

May be irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

12. ECOLOGICAL INFORMATION

Persistence and Degradation:

Biodegradable.

Mobility:

No data is available for this product. Avoid contaminating water ways.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty Packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

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

Shipping Name:	Not Applicable
Hazard Class:	Not Applicable
UN Number:	Not Applicable
Packing Group:	Not Applicable
Hazchem Code:	Not Applicable

15. REGULATORY INFORMATION

HSNO Approval No:	HSR002530
Group Standard:	Cleaning Products (subsidiary hazard) Group Standard 2006
HSNO Classification:	9.1C

16. OTHER INFORMATION

Issue number:	1
Date of Issue:	1 st June 2023
Reasons for Issue:	New Safety Data Sheet
Replaces:	-



References:

Supplier Material Safety Data Sheets

EPA website: www.epa.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact TMK Packers Ltd.

END OF SAFETY DATA SHEET

