

FOR FURTHER INFORMATION, PLEASE REFER TO THE SDS FOLLOWING

Issue: February 2024

PRODUCT: AMAZING HASTE WAX & GREASE REMOVER

Other Names: Degreaser and Prepsol.

Uses: Removes wax, grease and tar from metal surfaces, engine cleaner.

Signal Word: DANGER

UN No.	1993
Dangerous Goods Class	3
Subsidiary Risk	None
Pack Group	III
Hazchem	3YE

Hazardous Nature:	This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020
Hazardous Classification:	Flammable liquids Cat 2; Acute Oral Toxicity Cat 4; Skin Irritation Cat 2; Eye Irritation Cat 2; Reproductive Toxicity Cat 2; Specific Target Organ Toxicity Cat 2; Hazardous to the Aquatic Environment Chronic Cat 2; Hazardous to Terrestrial Invertebrates.
HSNO Approval Number:	HSR002650
NZ Exposure Standards:	TWA: Cyclohexane: 350 mg/m ³ (100 ppm); Methylcyclohexane: 1610 mg/m ³ (400 ppm); n-Hexane: 72 mg/m ³ (20 ppm); Toluene Skin: 188 mg/m ³ (50 ppm); STEL: Cyclohexane: 1050 mg/m ³ (300ppm)

Physical Characteristics (Typical)

Section 9 of SDS

Appearance	Clear, colourless liquid
Boiling Point/ Range (°C):	Not determined
Flash Point (°C):	4
Specific Gravity/ Density (g/mL):	0.78-0.81
Chemical Stability:	Stable at room temperature and pressure

Product Ingredients

Section 3 of SDS

Naphtha petroleum, light aromatic	64742-95-6	10-30
Toluene	108-88-3	10-30
Naphtha petroleum, aliphatic	64742-95-6	5-15
Naphtha petroleum, light hydrotreated	64742-49-0	5-15
Cyclohexane	110-82-7	5-15
Methylcyclohexane	108-87-2	5-15
n-Hexane	110-54-3	1-5

For further ingredients information, please refer to the full SDS.



GHS Pictograms

Section 2 of SDS



For further ingredients information, please refer to the full SDS.

DEFINITIONS

Dangerous Goods	Products that are classified as Dangerous for Storage and Transport: these products are allocated a UN No., with accompanying Class, Pack Group, and Sub. Risk, if required. Products that do not have a specific description under the code, but have low flash points, or such, must be classified under their most significant risk, eg. Flammable Goods N.O.S. (Not otherwise specified), UN 1993. Products not classed as Dangerous Goods are designated as not regulated for transport or N/R (non-regulated).
Hazardous Substance	Products are considered to be Hazardous if they pose an intrinsic risk to human or environmental health, such as mutagens (able to change DNA), teratogens (able to result in birth defects), carcinogens (able to generate cell abnormalities), etc. Materials classified with risks such as potential for misuse, like flammability, or explosions when heated and ignited, may be both classed as Dangerous Goods and Hazardous Substances.

SUMMARY INFORMATION ONLY



SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: AMAZING WAX & GREASE REMOVER

Other Names: Degreaser and Prepsol.

Recommended Use: Removes wax, grease and tar from metal surfaces, engine cleaner.

Supplier: TMK Packers Ltd

Street Address: 2/20 Trugood Drive, East Tamaki.
PO Box 258 031, Botany, Manukau 2163

Telephone: (+64) 9 273 3753

Emergency phone: 0800 273 327 (24 HR, TMK Packers)

National Poisons Centre: 0800 764 766



2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances(Hazard Classification) Notice 2020

Hazardous Classification

Flammable liquids, Cat. 2; Skin irritation, Cat. 2; Specific target organ toxicity - single exposure, Cat. 3 (narcotic effects); Specific target organ toxicity - repeated exposure, Cat. 2; Aspiration hazard, Cat. 1; Chronic aquatic hazard, Cat. 2

GHS Pictograms



Signal Word DANGER

Dangerous Goods Classification 3

Hazard Statements

H225: Highly Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin Irritation.
H320: Causes eye irritation.



H332: Harmful if inhaled
H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H402: Harmful to aquatic life.
H411: Toxic to aquatic life with long lasting effects.
H433: Harmful to terrestrial vertebrates.

Precautionary Statements

P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use Explosion-proof electrical/ventilating/lighting/.../equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P260: Do not breathe mist/vapours/spray.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280: Wear protective gloves/clothing and eye/face protection.
P281: Use personal protection equipment as required.

Response Statements

P101: If medical advice is needed, have product container or label at hand.
P314: Get medical advice if you feel unwell.
P308 + P313: If exposed or concerned: Get medical advice.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331: Do NOT induce vomiting.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P312: Call a POISON CENTRE or doctor if you feel unwell.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362: Take off contaminated clothing and wash before re-use.
P363: Wash contaminated clothing before reuse.
P332 + P313: If skin irritation occurs Get medical advice/attention.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P337 + P313: If eye irritation persists: Get medical advice.
P370 + P378: In case of fire: Use dry chemical, carbon dioxide, foam, water spray or fog to extinguish.

Storage Statements

P403: Store in a well-ventilated place.
P235: Keep Cool.
P405: Store Locked Up.

Disposal Statements:

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.



3. COMPOSITION: Information on ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
Naphtha petroleum, light aromatic	64742-95-6	10-30
Toluene	108-88-3	10-30
Naphtha petroleum, aliphatic	64742-95-6	5-15
Naphtha petroleum, light hydrotreated	64742-49-0	5-15
Cyclohexane	110-82-7	5-15
Methylcyclohexane	108-87-2	5-15
n-Hexane	110-54-3	1-5

4. FIRST AID MEASURES

For advice, contact National Poisons Centre (Phone New Zealand: 0800 764 766) or a doctor.

Inhalation

Move the victim to fresh air and keep at rest in a position comfortable for breathing. For those providing assistance, avoid exposure to yourself or others - use respiratory protection. Begin artificial respiration if breathing has stopped. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance.

Skin/Hair Contact

If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If skin irritation occurs, get medical advice. Launder contaminated clothing before re-use.

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.

Ingestion

If swallowed, do NOT induce vomiting. Obtain immediate medical advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs.

Most Important Symptoms and Effects

May be irritating to the eyes, nose, throat, and lungs.

First Aid facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms. Risk of aspiration to lungs with potential to cause chemical pneumonitis. Gastric lavage should only be undertaken after endotracheal intubation.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical or alcohol foam. Do not use water jet. Use fine water spray or water fog on large fires only.

Specific Hazards Arising from the Material

Highly flammable. Vapour is flammable and heavier than air. Vapour may travel across the ground and reach remote ignition sources, causing a flashback fire danger. Hazardous material.

Hazards from combustion products

Carbon dioxide, carbon monoxide Fire-fighting Precautions

Special Protective Equipment



Full protective clothing and self-contained breathing apparatus (SCBA).

Hazchem Code: 3YE

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Prevent material from escaping to drains and waterways. Contain leaking packaging in a containment vessel. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Personal Precautions

Avoid contact with spilled material. Wear protective equipment including respiratory protection.

Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water resistant and are not suitable for emergency use. For small spills: normal antistatic work clothes are usually adequate. For large spills: full body suit of chemical resistant, antistatic material is recommended.

Environmental Precautions

Prevent spillage from entering drains or water courses. Dyke far ahead of liquid spill.

Methods and Materials for Containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. A vapour-suppressing foam may be used to reduce vapour. Use clean non-sparking tools to collect absorbed material. Large Spills: Water spray may reduce vapour but may not prevent ignition in enclosed spaces. Recover by pumping or with suitable absorbent.

Major land spill

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire/explosion or toxicity hazard.
- Prevent product from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on ground water.
- Contain any spilled liquid with sand or earth.
- Recover liquid spills by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Recover solid spills by mechanical collection methods; cover and prevent dusts or particles from spreading – consider wetting the product down, without diluting it – and vacuum or sweep up.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major water spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire/explosion or toxicity hazard.
- Notify the port or relevant authority and keep the public away from the area.



- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid breathing mists or vapour. Avoid contact with skin. Prevent exposure to ignition sources, for example use non-sparking tools and explosion-proof equipment. Potentially toxic/irritating fumes/vapour may be evolved from heated or agitated material. Use only with adequate ventilation. Do not enter storage areas or confined spaces unless adequately ventilated. Prevent small spills and leakage to avoid slip hazard.

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding lead to avoid discharge (electrical spark).

Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product is flammable and will fuel a fire in progress. Ample fire water supply should be available. A fixed sprinkler/deluge system is recommended. Outside or detached storage preferred. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers and associated equipment should be earthed and bonded to prevent accumulation of static charge.

Incompatible Materials

Natural rubber, butyl rubber, nitrile rubber, EDPM, polystyrene.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards

New Zealand: *Workplace Exposure Standards and Biological Exposure Indices, Edition 13: April 2022*

TWA: Cyclohexane: 350 mg/m³ (100 ppm); Methylcyclohexane: 1610 mg/m³ (400 ppm); n-Hexane: 20 ppm (72 mg/m³); Toluene Skin: 188 mg/m³ (50 ppm)

STEL: Cyclohexane: 1050 mg/m³ (300 ppm);

International:

ACGIH (2020): Cyclohexane TWA 100 ppm; Heptane and isomers TWA: 1640 mg/m³ (400 ppm); n-Hexane TWA 50 ppm; Octane and isomers TWA 300 ppm

The time weighted average (TWA) exposure standard is the highest allowable average airborne concentration of a particular substance when calculated over an eight-hour working day.

The short-term exposure limit (STEL) exposure standard is the maximum allowable exposure concentration for a substance during any 15-minute period in the working day.

Products may be identified as carcinogens, respiratory or skin sensitisers, ototoxins, or easily absorbed to the skin according to the below notations.



6.7A/Carcinogen Category 1: Known or presumed human carcinogen

6.7B/Carcinogen Category 2: Suspected human carcinogen

Carc 1A: Known to have carcinogenic potential for humans

Carc. 1B: Presumed to have carcinogenic potential for humans

Carc. 2: Suspected human carcinogen

Skin/Sk: Substance is considered to have potential for significant skin absorption, risking overexposure

Oto: Substance can cause hearing loss. This may be in conjunction with noise exposure or without concurrent noise exposure. Risk may be via inhalation or skin absorption.

Sen: Substance is identified as having potential to cause respiratory and/or dermal sensitisation – an allergic reaction or hypersensitivity affecting skin (dsen) or respiratory system (rsen). High exposure may hasten the onset of the allergy, but once developed in an individual, very low exposures can provoke a significant reaction.

Biological Limit Values

n-Hexane: 5mg/L 2,5-hexanedione in urine at end of shift

Engineering Controls

Ventilation:

Do not breathe vapours. Use product outdoors or in well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment. Use personal protective respiratory equipment if concentrations in air are unknown or meet or exceed Health Exposure Limits.

Personal Protective Equipment:

Respiratory Protection:

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. Where concentrations in air may exceed the limits described in the Workplace Exposure Standards, use an appropriate positive pressure breathing apparatus.

Eye Protection:

Protect eyes from splashes or vapour. It is recommended safety glasses with side shields or chemical goggles be worn depending on circumstances of use.

Skin/ Body Protection:

Wear chemical resistant gloves if any risk of contact with liquid. It is also recommended to wear long sleeves and long trousers or coveralls, and chemical resistant shoes or boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear, colourless liquid
Odour	-	Solvent
Odour threshold	ppm	Not available
Melting Point/Freezing Point	°C	Not available
Boiling Point/ Range	°C	Not determined
Flash Point	°C	4
Flammability	-	Highly flammable
Explosive Limits (LEL – UEL)	%	Not available
Vapour Pressure	kPa	Not available
Relative Vapour Density @101 kPa (Air=1)	kPa	Not available
Specific Gravity / Density	g/mL	0.78-0.81
Decomposition Temperature	°C	Not determined



pH	-	Not applicable
Kinematic Viscosity @40°C @20°C	cSt	Not Available
Solubility with Water	% w/w	Immiscible

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity

No reactivity hazards identified.

Chemical Stability

Stable at room temperature and pressure.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Strong oxidisers

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and other organic complexes on incomplete burning or oxidation.

Hazardous Reactions

Oxidizing agents, mineral acids, halogenated organic compounds and peroxides.

Hazardous Polymerisation

Will not occur.

11. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Acute Effects

Ingestion

Harmful if swallowed. Will irritate throat and tube to stomach. Symptoms of ingestion may also include headaches, nausea and dizziness. Aspiration into the lungs by ingestion or vomiting may result in chemical pneumonitis in pulmonary odema.

Inhalation

Harmful by inhalation. Vapour may be irritating to nose and throat. Symptoms may include coughing, wheezing, difficulty breathing, drowsiness and dizziness. Exposure to high concentrations over an extended time may result in adverse central nervous system effects (nausea, headaches, loss of consciousness, coma and death).

Skin Contact

Harmful and irritating to skin. Prolonged or repeated exposure may cause dermatitis and will increase risk of dryness and cracking of skin.

Eye Contact

Irritating to eyes with possible symptoms of tearing, redness and maybe swelling.

Chronic Effects

Prolonged contact with product will result in irritant contact dermatitis. Any existing dermatitis may be aggravated. Reaped or prolonged exposure to mixed hydrocarbons may result in dizziness, weakness, irritability, lack of concentration and memory loss, tremor of extremities, e.g. fingers, weight loss, anemia, ill- effects to liver and kidneys.



Other Health Effects Information

Persons with pre-existing liver, kidney, central nervous system or skin complaints should avoid unnecessary exposure to this product. Every effort to protect eyes, respiratory tract and skin exposure should be taken in these circumstances. The potential for adverse effects through exposure to this product are increased when in combination with ethanol. This means the adverse effects as described under Ingestion or Inhalation will be increased or experienced more quickly.

Toxicological Information

Cyclohexane	Oral, LD50,mouse 813 mg/kg Inhalation, LC50 (4 h), rat 13.9 mg/L
Methylcyclohexane	Oral, LD50,mouse 2250 mg/kg
Toluene	Oral, LD50,rat 636mg/kg Dermal, LD50, rabbit > 2000 mg/kg Inhalation, LC50 (4 h), rat 12.5 mg/L

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye damage/irritation: Causes Serious Eye Damage/irritation.

Respiratory or Skin Sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified

Reproductive Toxicity: Data available to make classification.

Specific Target Organ Toxicity (STOT) – Single Exposure: Not classified

Specific Target Organ Toxicity (STOT) – Repeated Exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Do not discharge product to sewer, drains or waterways.

Ecotoxicity Aquatic Toxicity

Toxic to aquatic life with long lasting effects

Terrestrial Ecotoxicity

Product is harmful to terrestrial vertebrates.

Persistence/Degradability

Is not expected to bioaccumulate significantly. Product is expected to biodegrade although some components are not readily biodegradable.

Mobility in Soil

Not miscible in water. Product floats on water. Evaporates rapidly. If product enters soil, it will be mobile and may contaminate groundwater.

Other adverse effects

No additional adverse effects identified.



13. DISPOSAL CONSIDERATIONS

Disposal Methods

Disposal of hazardous waste must be carried out in compliance with all applicable regional and national regulations. This product is NOT suitable for disposal by domestic landfill or via municipal sewers, drains, natural streams or rivers. It must be disposed as chemical waste in accordance with the local authority.

Ensure that disposal of this product and its packaging is in accordance with the Hazardous Substances (Disposal) Notice 2017. Refer to Section 8 of this SDS for precautions before carrying out disposal or recycling activities.

Product Disposal

Dispose of product as chemical waste via a licensed service provider.

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

Packaging Disposal

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. Packaging may still contain harmful residue and/or fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry.

14. TRANSPORT INFORMATION

Road and Rail Transport (NZS 5433)		Marine Transport (IMDG)		Air Transport (IATA)	
UN No.	1993	UN No.	1993	UN No.	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Packing Group	III	Packing Group	III	Packing Group	III

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, packing group III.

Please consult the *New Zealand Standard for Transport of Dangerous Goods on Land* (NZS 5433:2012) for further information.



Environmental Hazards



Marine Pollutant: Yes

Special Precautions

-

Additional Information

-

Hazchem Code: 3YE

Marpol 73/78 Convention – Annex II

Product Name: Not determined

Ship Type: -

Pollution: -

15. REGULATORY INFORMATION

HSNO Approval:

HSR002650: Solvents (Flammable) Group Standard 2020

Classification

GHS classification: Flammable liquids Cat 2; Acute Oral Toxicity Cat 4; Skin Irritation Cat 2; Eye Irritation Cat 2; Reproductive Toxicity Cat 2; Specific Target Organ Toxicity Cat 2; Hazardous to the Aquatic Environment Chronic Cat 2; Hazardous to Terrestrial Invertebrates.

Equivalent HSNO classification: 3.1B, 6.1D (Oral), 6.3A, 6.4A, 6.8B, 6.9B, 9.1B, 9.3C

HSNO/HSWA Controls:

Refer to the above Group Standard, Health and Safety at Work Act 2015, www.epa.govt.nz and www.worksafe.govt.nz for further information on controls

Certified Handler: Not required

Tracking: Not required

Restriction to workplace: Not applicable

Signage: Threshold quantity: 250L

Fire extinguishers: Threshold quantity: 250L

Emergency Response Plan: Threshold quantity: 1,000L

Secondary containment: Threshold quantity: 1,000L

Hazardous Substance Location requirements:

100L (closed containers greater than 5 L); 250 L (closed containers up to and including 5 L); 50 L (open containers)

Agricultural Compounds and Veterinary Medicines Act 1997 (ACVM)

Not applicable

International Agreements

Montreal Protocol on Substances that Deplete the Ozone Layer: Not applicable

Stockholm Convention: Not applicable

Rotterdam Convention: Not applicable

Basel Convention: Not applicable



International Inventory Status:

Australian Inventory of Industrial Chemicals: Listed in AICIS Inventory

International Inventories:

Listed or exempt from listing/notification on: DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

May contain substance(s) subject to notification to the EPA Active TSCA inventory prior to import to USA

16. OTHER INFORMATION

SDS Version Number: 6

Reasons for Issue: New GHS Format & 5 years SDS Review

Replaces SDS dated: 29th March 2019

New SDS issue date: 12th February 2024

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists

AS/NZS: Standards Australia & Standards New Zealand

BCF: Bioconcentration Factor BEI: Biological Exposure Index CAS:
Chemical Abstracts Service

CCID: Chemical Classification and Information Database

EC50: Effective Concentration, 50 per cent

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GHS 7: Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition, 2017, published by the United Nations

HSNO: Hazardous Substances and New Organisms Act 1996

HSWA: Health and Safety at Work Act 2015

IARC: International Agency for Research on Cancer

IC50: Half Maximal Inhibitory Concentration

LC50: Lethal Concentration, 50 per cent

LD50: Lethal Dose, 50 per cent

LEL: Lower Explosive Limit

LOAEL: Lowest-observed-adverse-effect level

N/R: Not Regulated

NOAEL: No-observed-adverse-effect-level

NOEC: No Observed Effect Concentration

NZIoC: New Zealand Inventory of Chemicals

NZS 5433 New Zealand Standard Transport of Dangerous Goods on Land

OECD: Organisation for Economic Co-operation and Development

STEL: Short-Term-Exposure Limit

TLV: Threshold Limit Value

TWA: Time-Weighted Average

UEL: Upper Explosive Limit

References:

- Supplier Safety Data Sheets
- EPA CCID <https://www.epa.govt.nz/database-search/chemical-classification-and-information-database-ccid/>
- Workplace Exposure Standards and Biological Exposure Indices. 12th Edition, published by WorkSafe



New Zealand November 2020. <https://worksafe.govt.nz/topic-and-industry/work-related-health/monitoring/exposure-standards-and-biological-exposure-indices>

- US NLM ChemIDPlus: <https://chem.nlm.nih.gov/chemidplus/>
- OECD eChemPortal Substance Search <https://www.echemportal.org/echemportal/>

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 Limited.

END OF SAFETY DATA SHEET

