

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product name: **WAX & GREASE REMOVER**
Other names: -
Recommended Use: Removes wax, grease and tar from metal surfaces, engine cleaner.
Supplier: Tradextra Ltd
Address: 3 Glenmore Drive, Warkworth 0910
PO Box 437, Warkworth 0941
Telephone: (+64) 9 425 0235
Facsimile: (+64) 9 425 0236
Website: www.tradextra.co.nz
Emergency phone: **National Poison Centre**
0800 764 766

SECTION 2: HAZARD(S) IDENTIFICATION

Product is classified as hazardous according to Schedules 1 to 6 of the *Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

HSNO Classifications 3.1B, 6.1D, 6.3A, 6.4A, 6.8B, 6.9B, 9.1B, 9.3C.
Signal Word DANGER

Signal Word

Hazard Statements:

H225 Highly flammable liquid and vapour	H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways	H315 Causes skin irritation
H361 Suspected of damaging fertility or the unborn child	H319 Causes serious eye irritation
H412 Harmful to aquatic life with long-lasting effects.	H332 Harmful if inhaled
	H373 May cause damage to organs through prolonged or repeated exposure

Precautions Statements:

P102 Keep out of reach of children.	P103 Read label before use.
P201 Obtain special instructions before use.	P202 Do not handle until all safety instructions have been read and understood.
P233 Keep container tightly closed.	P240 Ground/bond containers and receiving equipment.
P210 keep away from heat, open flames, hot surfaces. No smoking.	P242 Use only non-sparking tools
P241 Use explosion proof electrical/ventilation/lighting equipment	P260 Do not breathe vapours.
P243 Take precautionary measures against static discharge	P270 Do not eat, drink or smoke when handling.
P264 Wash hands thoroughly after handling.	P271 Use only outdoors or in well-ventilated area.

P273 Avoid release to environment.
P281 Use protective equipment as required.

P280 Wear protective gloves and eye protection.

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

P332 + P313 If skin irritation occurs: Get medical advice.

P362 Take off contaminated clothing and wash before re-use.

P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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.

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

P370 + P378 In case of fire: Stop leak if safe to do so.

Storage Statements:

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

P405 Store locked up

Disposal Statements:

P501 Dispose of product and containers in accordance with local regulations

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS no.	Proportion (%)
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 – 15

SECTION 4: FIRST-AID MEASURES

For advice, contact National Poison Centre (0800 POISON; 0800 764 766) or a doctor. Have product container or label available.

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 wash affected area with soap and 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 at rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

First Aid Facilities

Provide eye baths and safety showers close to areas where splashing may occur.

Medical Attention

Treat according to symptoms. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

SECTION 5: FIRE-FIGHTING MEASURES

Flashpoint: 4°C (toluene)

Flammable Limits: LFL: not available UFL: not available

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

Fire & Explosion Hazards: Highly flammable liquid and vapour. Vapour is heavier than air, spreads along the ground and distant ignition is possible. Do not breathe smoke, gases or vapours generate in a fire.

Expansion or decomposition of containers may lead to rupture of containers.

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

In event of fire:

- Alert Fire Station (111); advise location and nature of hazard.
- Wear breathing apparatus and protective gloves
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products: Carbon dioxide, carbon monoxide.

Hazchem code: 3YE

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures & containment: refer to 'Fire Fighting Measures,' 'First Aid Measures' and 'Stability and Reactivity.'

Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantities with vermiculite or other absorbent material.
- Collect residues and waste material in a labelled container suitable for flammables.
- Seal container and dispose of safely.

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Station (111); advise location and nature of hazard.
- Wear breathing apparatus and protective gloves.

- Stop leak of safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Eliminate sources of ignition, naked lights. No smoking.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labelled containers for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handlings: Read product label before use. Wear personal protective equipment and clothing including gloves and wash hands with soap and water after handling. Use in well-ventilated area. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry. Avoid release to environment.

Conditions for safe storage: Locked up in original packaging in a cool, dry, well-ventilated place away from direct sunlight. This product will fuel a fire in progress. Keep out of reach of children. Check containers periodically for leaks or distortion.

Incompatible materials: Natural rubber, butyl rubber, nitrile rubber, EPDM, polystyrene.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Health Exposure Standards:

Workplace Exposure Standards (WES) has been set for components in this product

	WES-TWA	WES-STEL
Cyclohexane	100 ppm (350 mg/m ³)	300 ppm (1050 mg/m ³)
n-Hexane (bio)	20 ppm (72 mg/m ³)	-
Methylcyclohexane	400 ppm (1610 mg/m ³)	-
Toluene (skin)	20 ppm (188 mg/m ³)	-

Biological limit values:

n-Hexane end of shift; 5 mg/L 2,5-hexandione in urine.

Engineering controls: Ventilation – Avoid breathing mists or vapours. Use product outdoors or in well-ventilated area. Wear a SAA approved respirator when using in confined area or where over-exposure risk exists.

Personal Protective Equipment:

Respiratory Protection – Where air concentration may exceed the limits described in the Workplace Exposure Standards, wear SAA approved respiratory protection such as a half-face filter mask to protect from overexposure by inhalation. A type “A” filter material is considered suitable for this product.

Eye Protection – protect eyes from splashes or vapour. Always use safety glasses with side shields or goggles are worn.

Skin / Body Protection – Gloves are recommended to prevent irritant effects and avoid degreasing/drying of the skin. Prevent contact with clothes and skin, e.g. wear apron or overalls.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical value
Appearance	-	Clear colourless liquid
Odour	-	Solvent
Flash Point	°C	4 (toluene)
Boiling Point	°C	Not determined
Specific gravity @ 20°C	g/ml	0.78 – 0.81
Vapour pressure @ 20°C	kPa	Not available
Vapour density @ 20°C	kPa	Not available
Explosive Limits in air	%	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	kg/m ³	Immiscible

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

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable at room temperature and pressure.

Conditions to avoid: Sources of heat, ignition, open flames.

Hazardous decomposition products: See 'Fire Fighting Measures' and 'Hazardous Reactions.'

Hazardous reactions: Oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects:

Ingestion – Harmful if swallowed. Will irritate throat, trachea, respiratory tract and oesophagus. If swallowed, symptoms may include headache and nausea. Swallowing small amounts from vomiting may cause aspiration into lungs and cause chemical pneumonitis or pulmonary odema which may be fatal.

Eye contact – This product is irritating to the eyes resulting in tearing, swelling and redness.

Skin contact – This product can be harmful by skin absorption and is irritating to the skin. Prolonged or repeated exposure may defat skin leading to drying and cracking of skin.

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).

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: Toluene is suspected of causing adverse effects to fertility or reproductive development.

Toxicological Information:

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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity – This product is classified as being toxic to aquatic life

with long lasting effects. Do not discharge product direct to sewer, drains or waterways.

Persistence/degradability – Is not expected to bio accumulate significantly. Product is expected to biodegrade although some components are not readily biodegradable.

Mobility –Product is not miscible in water. Product floats on water.

Evaporates rapidly. If product enters soil, it will be mobile and may contaminate ground water.

Other information – Product is harmful to terrestrial vertebrates.

Environmental Exposure Standards: Not set.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry. If not recycled, puncture and crush before disposal to landfill. Do not use container for storage of other products.

SECTION 14: TRANSPORT INFORMATION

UN number: 1993
Shipping name: FLAMMABLE LIQUID, (contains petroleum hydrocarbons)
Class: 3
Packing Group: II
Hazchem code: 3YE

Dangerous Goods Segregation – This product is classified as Dangerous Goods Class 3, packing group II. Please consult NZS 5433:2007 Transport of Dangerous Goods on Land for information.

SECTION 15: REGULATORY INFORMATION

Country / Region: New Zealand

Inventory: NZ Inventory of Chemicals.

Status: Listed

ERMA New Zealand Approval Code: HSR002650; Solvent (Flammable)
Group Standard 2006, Wax & Grease Remover.

SECTION 16: ANY OTHER RELEVANT INFORMATION

Date of issue: 10th June 2022

Reasons for issue: 5 year Review

Abbreviations:

CAS No	Chemical Abstracts Number
EPA/ ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substances and New Organisms
NZCI	New Zealand Chemical Inventory
STEL	Short Term Exposure Limit
TWA	Time Weighted Average
WES	Workplace Exposure Standard

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 it is 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 Tradextra Ltd.

END OF SAFETY DATA SHEET