

SOLVENT SUPPLIES LTD

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Otaki NZ
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Section 1: Identification of the Material and Supplier

Product Name: Wax & Grease Remover
Other Names: Heavy Duty Degreaser & Silicon Remover
Recommended use: Degreasing solvent. Removes wax, grease and tar from metal surfaces. Engine cleaner.
Company Name: Solvent Supplies Limited
Address: 33 Miro Street, Otaki, New Zealand
PO Box 2019
Raumati Beach
Paraparaumu

Fax: 04 902 1857

Email: ss1994ltd@gmail.com

Emergency Telephone:

New Zealand: 0800 737 363 Monday to Friday 8.00am – 4.30pm
New Zealand Poisons Centre: 0800 764 766

Australia 1800 738 383
Australian Poisons Centre: 1800 131 126

Section 2: Hazards 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.

Substance Classification: 3.1B, 6.1D, 6.3A, 6.4A, 6.8B, 6.9B, 9.1B, 9.3C.

Signal Word: DANGER



Hazard statements:

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.

Wax & Grease Remover © Solvent Supplies Ltd

Date: March 2019

Review: March 2024

H304	May be fatal if swallowed and enter 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.

Precaution Statements

P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground container and receiving equipment.
P241	Use explosion proof equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapours.
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 clothing, gloves and eye protection.
P281	Use personal protective 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 a 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 so. Continue rinsing.
P337+P313	If eye irritation persists get medical advice.

P370+P378	In case of fire use water fog or mist or alcohol-resistant foam.
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Storage Statement:

P403+P235	Store in well ventilated place. Keep cool.
P405	Store locked up.

Disposal Statement:

P501	Dispose of product to a landfill in accordance with any local regulations.
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Section 3:	Composition/Information on Ingredients
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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	1-5

Section 4:	First Aid Measures
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For advice, contact the National Poisons Centre (0800 POISON: 0800 764 766) or a doctor. Have product container or label available.

Swallowed:	If swallowed, do NOT induce vomiting. Immediately call a POISON CENTRE or doctor for advice. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs.
Skin Contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair 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 and get immediate medical attention.
First Aid Facilities:	Provide eye baths and safety showers close to areas where splashing may occur.
Medical Advice:	Treat according to symptoms. Risk of aspiration to lungs with potential to cause chemical pneumonitis. Gastric lavage should only be under taken after endotracheal intubation.

Section 5:	Fire Fighting Measures
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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:	Liquid and vapours are highly flammable. Vapour is heavier than air, spreads along the ground and distant ignition is possible. Do not breathe smoke, gases or vapours generated in a fire. Expansion or decomposition of containers may lead to rupture of containers.
Fire-fighting equipment:	Full protective clothing and self-contained breathing apparatus (SCBA).

In the event of a fire:

- ✚ Alert Fire Bridge (111) and advise them of the 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 is 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
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Emergency Procedures

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 Brigade (111): Advise them of location and nature of hazard.
- ✚ Wear breathing apparatus plus protective gloves.
- ✚ Stop leak if 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 and 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 labeled containers for recycling.
- ✚ Absorb remaining product with sand, earth or vermiculite.
- ✚ Collect solid residues and seal in labeled drums for disposal.
- ✚ Wash area and prevent run off into drains.
- ✚ If contamination of drains and waterways occurs, advise Emergency Services and Local or Regional authority.

Section 7:	Handling and Storage
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Precautions for safe handling:

Read product label before use. This product is highly flammable. Do not open near 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 discharge. Use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables. Do not use plastic buckets. Use outdoors or in a well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.

Conditions for safe storage:

Keep out of reach of children. Store locked up in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:

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

Section 8:	Exposure Controls/Personal Protection
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Health Exposure Guidelines:

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 <small>BIO</small>	20 ppm (72 mg/m ³)	-
Methylcyclohexane	400 ppm (1610 mg/m ³)	-
Toluene <small>SKIN</small>	50 ppm (188 mg/m ³)	-

Biological limit values:

N-Hexane	End of shift;	5 mg/L	2.5-hexandione in urine
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Engineering Controls:

Ventilation:	Do not breathe in vapours. Use product outdoors or in a 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 Exposures Limits.
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Personal Protection 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 the 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.

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 available
Solubility in Water:	kg/m ³	Immiscible

Section 10:**Stability and Activity**

Chemical Stability:	Stable at room temperatures and pressure.
Conditions to avoid:	Sources of heat and ignition, open flames.
Hazardous decomposition product:	No decomposition products except on burning. See <i>Fire Fighting Measures</i> and <i>Hazardous Reactions</i> .
Hazardous reactions:	Oxidizing agents.
Hazardous polymerization:	Not known to occur.

Section 11:**Toxicological Information**

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.
Eye Contact:	Irritating to eyes with possible symptoms of tearing, redness and swelling.
Skin Contact:	Harmful and irritating to the skin. Prolonged or repeated exposure may cause dermatitis and will increase risk of dryness and cracking of skin.
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).
Chronic Effects:	Prolonged contact with product will result in irritant contact dermatitis. Any existing dermatitis may be aggravated. Reaped or prolonged exposure to mixing 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 the liver and kidneys.

Other Health Effects:

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

Toxicological Information:

Cyclohexane	Oral	LD ₅₀ , mouse	813 mg/kg
	Inhalation	LC ₅₀ , (4h), rat	13.9 mg/L
Methylcyclohexane	Oral	LD ₅₀ , mouse	2250 mg/kg
Toluene	Oral	LC ₅₀ , rat	636 mg/kg
	Dermal	LC ₅₀ , rabbit	>2000 mg/kg
	Inhalation	LC ₅₀ , (4h), rat	12.5 mg/L

Section 12:	Hazard Identification
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Do not discharge product to sewer, drains or waterways.

Ecotoxicity:

Aquatic Toxicity:	Product is classified as being toxic to aquatic life with long lasting effects.
Ecotoxicity Information:	Not available.
Persistence and Degradability:	Is not expected to bio-accumulate significantly. Product is expected to biodegrade although some components are not readily biodegradable.
Mobility:	Not miscible in water. Product floats on water. Evaporates rapidly. If product enters soil, it will be mobile and may

	contaminate groundwater.
Other Information:	Product is harmful to terrestrial vertebrates.
Environmental Exposure Standards:	Not set.

Section 13:	Disposal Considerations
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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
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UN No	1993
Shipping Name:	Flammable liquid (contains petroleum hydrocarbons)
Class:	3
Packing Group:	II
Hazchem:	3YE

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, Packing Group II.
Please consult NZS 5433:2012 Transport of Dangerous Goods on Land for information.



Section 15:	Regulatory Information
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Country/Region: New Zealand
Inventory: NZ Inventory of Chemicals
Status: Listed

EPA New Zealand HSNO Approval Code: HSR 002650; Solvent (Flammable) Group Standard 2006.

Refer to www.epa.govt.nz for information on Controls.

Section 16:	Other Information
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Date of Preparation: March 2019
Reasons for Issue: Review of Safety Data Sheet

Replaces: Safety Data Sheet of March 2014

Abbreviations:

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

References:

Supplier Data Sheets

EPA Website: www.epa.govt.nz

Safety data sheets are updated frequently. Please ensure you have a current copy.

Disclaimer:

Before using any product, read its label carefully and ensure that you understand its contents. The information contained herein is based on data considered accurate and reliable to the best of our knowledge and belief of the date compiled. However no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use hereof. Solvent Supplies Limited assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such users or vendor assume all risks associated with the use of the material. It is the user's responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use. The users must determine whether the use of the information and data is in accordance with local laws and regulations.