

Section 1 – Identification of the Material and Supplier

Chemical Nature: Blend of solvents and surfactants

Product Name: De-Solv-it Solution

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Sticky spot and stain remover

Details of Importer:

Harkness and Young Ltd
21 Salesyards Road
Otahuhu Auckland 2014
NEW ZEALAND

Phone Number: +64 9 276 4071

Emergency Number: National Poison Centre: 0800 POISON (0800 764-766)

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.



HSNO Classification

Signal word: DANGER

Flammable liquids Category 4
Aspiration Hazard Category 1
Skin Corrosion/irritation Category 2
Skin Sensitization Category 1B
Serious eye damage/eye irritation Category 2B
Chronic Hazard to the Aquatic Environment, long term Category 1

HAZARD STATEMENT:

H227: Combustible liquid.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H320: Causes eye irritation.
H411: Toxic to aquatic life with long lasting effects

PRECAUTION

P101: If medical advice is needed, have product container or label at hand
P102: Keep out of reach of children.
P103: Read carefully and follow all instructions

PREVENTION

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing mist or spray.
P264: Wash contacted areas thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves, protective clothing and eye or face protection.
P391: Collect spillage.

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RESPONSE

P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P301+P331: IF SWALLOWED: Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P302+P362+P364: IF ON SKIN: Take off contaminated clothing and wash it before reuse.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313: If skin irritation or rash occurs: Get medical advice.
P337+P313: If eye irritation persists: Get medical advice.
P370+P378: In case of fire, use carbon dioxide, dry chemical, foam, water fog to extinguish.

STORAGE

P403: Store in a well-ventilated place.
P405: Store locked up.

DISPOSAL

P501: Dispose of contents in accordance with local/regional/national/international regulation (see Section 13 of this SDS).

Section 3 - Composition/Information on Ingredients

Physical Description & Colour: Clear, colourless to pale yellow liquid.

Odour: Strong citrus odour.

Major Health Hazards: irritating to eyes and skin, possible skin sensitiser, if aspirated, may cause lung damage.

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Ingredients	CAS No	Conc, %
d-limonene	5989-27-5	5-20
 Flammable Liquids 3, H226.	 Skin Sensitization 1, H317	
 Chronic Aquatic 2, H411		
Liquid hydrocarbon	64742-48-9	40-80
Flammable Liquids 4, H227.	 Skin Corrosion/Irritation 2, H315	
 Aspiration Hazard 1, H304		
Ethoxylated alcohols	68439-50-9	1-10
Acute Toxicity – Oral 5, H303	 Serious Eye Irritation 2B, H320	
 Chronic Aquatic 2, H411		

This is a commercial product whose exact ratio of components may vary slightly.

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Issued by: Vardon Industries

Phone: 03 9706 4177 (office hours)

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: No first aid measures normally required. However, if inhalation has occurred, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: Wash gently and thoroughly with warm water (use non-abrasive soap if necessary) for 10-20 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts) and completely decontaminate them before reuse or discard. If irritation persists, repeat flushing and seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Rinse mouth with water and contact a Poisons Information Centre or call a doctor. Do not give anything by mouth to an unconscious person.

Symptoms Caused by Exposure:

Inhalation: May cause mild respiratory tract irritation

Skin Contact: Causes skin irritation. May cause an allergic skin reaction, characterized by local redness, rash or inflammation.

Eye Contact: Causes serious eye irritation, stinging, redness and lachrymation.

Ingestion: May be fatal if swallowed and enters airways. May cause burning and redness of the mouth and throat.

Section 5 - Fire Fighting Measures

Extinguishing Media: In case of fire, use carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: 65°C

Upper Flammability Limit: 7%

Lower Flammability Limit: 0.6%

Autoignition temperature: >200°C

Flammability Class: Flammable Category 4 (GHS), C1 combustible (AS 1940)

Section 6 - Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection, keep unprotected persons away. Suitable materials for protective clothing include rubber, Nitrile, butyl rubber, neoprene. Eye/face protective equipment should comprise as a minimum, protective goggles. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

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Section 7 - Handling and Storage

Handling: Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Storage: Store in a cool, dry and well ventilated area. Keep container tightly closed, away from water. Protect from direct sunlight, heat, sparks, open flames and hot surfaces. Keep away from strong acids, strong bases and strong oxidising agents. Store below 30°C.

Section 8 - Exposure Controls and Personal Protection

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Eye and Face Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection: Handle with impervious nitrile, butyl rubber or neoprene gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, nitrile, butyl rubber, neoprene.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear, colourless to pale yellow liquid.
Odour:	Strong citrus odour.
Boiling Point:	>180°C at 100kPa
Flash Point:	65°C
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	<0.1kPa at 20°C
Vapour Density:	No data.
Specific Gravity:	0.8 approx
Water Solubility:	Emulsifiable.
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	>200°C

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Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry. Keep containers and surrounding areas well ventilated.

Incompatibilities: strong acids, strong bases, strong oxidising agents.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 64742-48-9: Naptha (Petroleum), hydrotreated		
Oral	LD50	>5,000 mg/m3 (rat)
Dermal	LD50	4,951 mg/m3 (rat)
CAS: 5989-27-5 D-Limonene		
Oral	LD50	>2,000mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
CAS: 68439-50-9 Ethoxylated alcohols		
Oral	LD50	>2,000mg/kg (rat)
Dermal	LD50	>3,000mg/kg (rabbit)

Acute Health Effects:

Persons sensitised to sensitisers identified above should avoid contact with this product.

Inhalation:

Available data indicates that this product is not harmful. However, product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Skin Contact:

Classified as a potential sensitiser by skin contact. Causes skin irritation. May cause an allergic skin reaction, characterised by local redness, rashing or inflammation.

Eye Contact:

This product is an eye irritant. Symptoms may include stinging and reddening of eyes and watering which may become copious. If exposure is brief, symptoms should disappear once exposure has ceased.

Ingestion:

May be fatal if swallowed and enters airways. May cause burning and redness of the mouth and throat.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: D-limonene is Class 3 - unclassifiable as to carcinogenicity to humans.

See the IARC website for further details. A web address has not been provided as addresses frequently change.

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Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure: Based on classification principles, the classification criteria are not met.

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

Chronic Health Effects: No data associated with long term health effects.

Existing Conditions Aggravated by Exposure: No data available.

Section 12 - Ecological Information

Toxic to aquatic life with long-term effects.

CAS: 64742-48-9: Naptha (Petroleum), hydrotreated

EC50/24h	No data available (Daphnia Magna).
Toxicity Threshold 7-8 days)	No data available (Blue-green algae, Green algae)
LC50/96h	Expected to be harmful to aquatic organisms. May cause long term adverse effects in the environment (rainbow trout, goldfish, bluegill)

CAS: 5989-27-5 D-Limonene

EC50/48h	0.307mg/l (Crustacea)
EC50/72h	0.214mg/l (Algae or other aquatic plants)

CAS: 68439-50-9 Ethoxylated alcohols

EC50/48h	0.7mg/l (Daphnia Magna)
EC50/72h	0.87mg/l (Green algae)
EC20/30d	0.96mg/l (Fathead minnow)

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable in-house, consider controlled incineration, or contact a specialist waste disposal company.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good by ADG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

HSNO Approval Code / Group Standard:

Cleaning Products (Subsidiary Hazard) Group Standard 2020

HSNO Approval Number: HSR002525

New Zealand Inventory of Chemicals All ingredients are listed.

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Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

The information contained in this SDS is provided in good faith and is believed to be accurate at the date of issuance. This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company so we can attempt to obtain additional information from our suppliers.

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This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)

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