

# Safety Data Sheet

in accordance with HSNO

Printing date 01.06.2021

Revision: 01.06.2021

## 1 Identification of the substance or mixture and of the supplier

**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 Manufacturer or Importer:**

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

**Phone Number:** +64 9 270 9963

**Emergency telephone number:** +64 9 276 4071

## 2 Hazards identification

### Hazardous Nature:

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.



Health hazard

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



Environment

Aquatic Chronic 2

H411 Toxic to aquatic life with long lasting effects.



Skin Corrosion/Irritation 2

H315 Causes skin irritation.

Serious Eye Damage/Irritation 2A

H319 Causes serious eye irritation.

Skin Sensitisation 1

H317 May cause an allergic skin reaction.

Flammable Liquids 4

H227 Combustible liquid.

Aquatic Acute 2

H401 Toxic to aquatic life.

### HSNO Classification

**Signal Word** Danger

### Hazard Statements

H227 Combustible liquid.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H304 May be fatal if swallowed and enters airways.

H411 Toxic to aquatic life with long lasting effects.

### Precautionary Statements

P210

Keep away from flames and hot surfaces. No smoking.

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P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash 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/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P321	Specific treatment (see on this label).
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
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+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
P391	Collect spillage.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

### 3 Composition/Information on ingredients

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 64742-88-7	Solvent naphtha (petroleum), medium aliph. ⚠ Flammable Liquids 3, H226; ⚠ Aspiration Hazard 1, H304	40-80%
CAS: 5989-27-5	D-Limonene ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sensitisation 1, H317; Aquatic Acute 2, H401	8-20%
CAS: 68131-39-5	Alcohols, C12-15, ethoxylated ⚠ Aquatic Chronic 2, H411; ⚠ Skin Corrosion/Irritation 2, H315; Serious Eye Damage/Irritation 2A, H319; Aquatic Acute 2, H401	1-10%

### 4 First aid measures

**Inhalation:**

If inhaled, remove to fresh air and keep at rest. Seek medical attention if breathing problems develop or irritation persists for more than 30 minutes.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap for 10 - 20 minutes or until product is removed. Seek medical attention if symptoms persist.

**Eye Contact:**

In case of eye contact, rinse the contaminated eye cautiously with water for 15 minutes, or until the product is removed, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth out with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: May cause mild respiratory tract irritation.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction, characterised by local redness,

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rashing 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.

## 5 Fire fighting measures

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include carbon dioxide, carbon monoxide and possibly smoke.

Combustible liquid.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Prevent firefighting run off from entering drains and water courses.

**Special Protective Equipment and Precautions for Fire Fighters:**

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 Accidental release measures

**Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear approved protective equipment, keep unprotected persons away. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard.

## 7 Handling and storage

**Precautions for Safe 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.

**Conditions for Safe 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.

## 8 Exposure controls/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.

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**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.

**Eye and Face Protection:**

Use safety glasses or goggles for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 Physical and chemical properties

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear, colourless to pale yellow liquid
<b>Odour:</b>	Strong citrus odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	No information available
<b>Melting point/freezing point:</b>	Liquid at normal temperatures
<b>Initial Boiling Point/Boiling Range:</b>	> 100 °C (at 100 kPa)
<b>Flash Point:</b>	62 °C
<b>Flammability:</b>	Combustible
<b>Ignition Temperature</b>	No information available
<b>Auto-ignition Temperature:</b>	>200 °C
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7 Vol %
<b>Vapour Pressure at 20 °C:</b>	< 0.1 kPa
<b>Density:</b>	No information available
<b>Relative Density:</b>	0.8 approx
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Emulsifies into water.
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>Viscosity:</b>	No information available

## 10 Stability and reactivity

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of storage and use.

**Conditions to Avoid:** Avoid storing above 30°C.

**Incompatible Materials:** Strong acids, strong bases, strong oxidising agents.

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide and possibly smoke.

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## 11 Toxicological information

### Toxicity:

#### LD50/LC50 Values Relevant for Classification:

#### CAS: 64742-88-7 Solvent naphtha (petroleum), medium aliph.

Oral	LD50	>6,500 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)
Inhalation	LC50/4 h	>14 mg/l (rat)

#### CAS: 5989-27-5 D-Limonene

Oral	LD50	4,400 mg/kg (rat)
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#### CAS: 68131-39-5 Alcohols, C12-15, ethoxylated

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	2,500 mg/kg (rabbit)

### Acute Health Effects

**Inhalation:** May cause mild respiratory tract irritation.

#### Skin:

Causes skin irritation. May cause an allergic skin reaction, characterised by local redness, rashing or inflammation.

**Eye:** 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.

**Skin Corrosion / Irritation:** Causes skin irritation.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** May cause an allergic skin reaction.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

#### Carcinogenicity:

D-Limonene is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**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.

## 12 Ecological information

### Ecotoxicity:

#### Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

#### CAS: 64742-88-7 Solvent naphtha (petroleum), medium aliph.

EC50/48 h	100 mg/l (daphnia)
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EC50/72 h	450 mg/l (selenastrum capricornutum)
LC50/96 h	800 mg/l (fathead minnow)
<b>CAS: 5989-27-5 D-Limonene</b>	
EC50	0.36 mg/kg (daphnia)
EC50/48 h	0.36 mg/l (daphnia)
LC50/96 h	0.72 mg/l (fathead minnow)
LC50	0.72 mg/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.

## 13 Disposal considerations

**Disposal Methods and Containers:**

Dispose according to applicable local and state government regulations. Product may be recycled if unused or has not been contaminated.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 Transport information

**UN Number** Not regulated**Proper Shipping Name** Not regulated**Dangerous Goods Class** Not regulated**Packing Group:** Not regulated

## 15 Regulatory information

**HSNO Approval Code / Group Standard:**

Cleaning Products (Combustible) Group Standard 2020

HSNO Approval Number: HSR002525

**New Zealand Inventory of Chemicals**

All ingredients are listed.

## 16 Other information

**Date of Preparation or Last Revision:** 01.06.2021**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Flammable Liquids 3: Flammable liquids – Category 3

Flammable Liquids 4: Flammable liquids – Category 4

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Skin Corrosion/Irritation 2: Skin corrosion/irritation – Category 2

Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A

Skin Sensitisation 1: Skin sensitisation, Hazard Category 1

Aspiration Hazard 1: Aspiration hazard – Category 1

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

**Disclaimer**

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

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