

## SAFETY SOLVENT DL

Infosafe No.: 7EFE7  
Issued Date: 19/12/2016  
Issued by: JASOL AUSTRALIA

CLASSIFIED AS HAZARDOUS

### 1. IDENTIFICATION

**GHS Product Identifier**

SAFETY SOLVENT DL

**Company Name**

JASOL AUSTRALIA

**Address**

Level 3, 187 Todd Road PORT MELBOURNE  
VIC 3207

**Telephone/Fax Number**

Tel: 1800 334 679  
Fax: 03 9580 9902

**Emergency phone number**

1800 629 953

**Recommended use of the chemical and restrictions on use**

d-Limonene-based degreaser. Refer to product label for use instructions.

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Eye Damage/Irritation: Category 1

Flammable Liquids: Category 3

Skin Corrosion/Irritation: Category 2

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Pictogram (s)**

Flame, Corrosion, Exclamation mark



**Precautionary statement – Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting//equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash contaminated skin thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

P321 Specific treatment (See information on this SDS).

**Precautionary statement – Storage**

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

**Precautionary statement – Disposal**

P501 Dispose of contents/container to in accordance with local/regional/national/international regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

Name	CAS	Proportion
Limonene	138-86-3	60-80 %
Surfactants, anionic/nonionic		10-30 %
Ingredients determined not to be hazardous		0-10 %

### 4. FIRST-AID MEASURES

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**Inhalation**

Remove from exposure, rest and keep warm. Apply artificial respiration if not breathing. In severe cases, obtain medical attention.

**Ingestion**

Do NOT induce vomiting. Give a glass of water to be taken slowly. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Seek medical attention.

**Skin**

If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use.

**Eye contact**

If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

**First Aid Facilities**

Eye wash station, safety shower and normal washroom facilities.

**Advice to Doctor**

Product contains a high proportion of d-limonene and surfactants. Vomiting has not been induced because of risk of aspiration into the lungs. Contact Poisons Information Centre. Treat symptomatically.

**Most important symptoms/effects, acute and delayed**

No adverse health effects expected if the product is handled in accordance with this SDS and the product label.

### 5. FIRE-FIGHTING MEASURES

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**Suitable Extinguishing Media**

For a small fire use dry chemicals, carbon dioxide, water spray or foam. For large fires use water spray, fog or foam.

**Unsuitable Extinguishing Media**

Water jet.

### **Hazards from Combustion Products**

Under fire conditions this product may emit toxic and/or irritating fumes. Carbon dioxide, water vapour, oxides of nitrogen and sulphur. Incomplete combustion may generate carbon monoxide.

### **Special Protective Equipment for fire fighters**

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.

### **Specific Methods**

In case of small fire/explosion use foam, dry powder, carbon dioxide, vaporising liquids. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses. In case of major emergency use PPE: breathing apparatus and protective gloves.

### **Specific Hazards Arising From The Chemical**

Flammable liquid, flash point less than 61C. Vapour/air mixture may be flammable or explosive. Spray/mist is likely to be more readily ignited than the liquid alone. Vapours heavier than air, risk of remote ignition. Contact with strong oxidising agents may cause fire.

### **Hazchem Code**

3Y

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## **6. ACCIDENTAL RELEASE MEASURES**

### **Spills & Disposal**

Wear appropriate personal protective equipment and clothing to prevent exposure. Remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition. CARE! Spillages will be very slippery. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to container and arrange removal by disposals company. Wash site of spillage thoroughly with water and detergent. Ventilate area to dispel any residual vapour.

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## **7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid contact with skin and eyes. Wear appropriate personal protective equipment and clothing. Use in designated areas with well ventilation. Away from sparks, flames and other ignition sources. Prevent release of vapours and mist into workplace air.

### **Conditions for safe storage, including any incompatibilities**

Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bunded flammables store. Store in original container. Keep container tightly closed. Keep away from naked flames and other sources of ignition. No smoking. Take precautions against static discharge. Prevent vapours from collecting in enclosed, or low, areas. Keep away from oxidising agents. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Occupational exposure limit values**

No Exposure Limit Established

### **Other Exposure Information**

TLV-TWA: None assigned by Worksafe Australia

TLV\_STEL: None assigned by Worksafe Australia

### **Appropriate Engineering Controls**

Use only flame proof equipment. Local mechanical exhaust/extraction will be required to keep airborne contamination as low as possible, especially if using air gun spray.

### **Personal Protective Equipment**

Avoid contact with the skin and eyes. Avoid breathing vapours or spray/mist. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Goggles or safety glasses

Gloves, rubber, plastic, nitrile, neoprene or PVC  
Plastic apron, sleeves and boots  
Impervious overalls.

Always maintain a high level of personal hygiene when using this product. That is wash hands before eating, drinking, smoking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### Form

Liquid

### Appearance

Clear oily liquid. Partially miscible with water.

### Odour

Scent of citrus

### Melting Point

No data

### Solubility in Water

Forms an emulsion

### Specific Gravity

0.9

### pH

Not available

### Vapour Pressure

No data

### Vapour Density (Air=1)

Approx. 5.0 (Air = 1)

### Flash Point

53C

### Flammability

Flammable liquid, flash point less than 61C. Vapour/air mixture may be flammable or explosive. Spray/mist is likely to be more readily ignited than the liquid alone. Vapours heavier than air, risk of remote ignition.

### Auto-Ignition Temperature

237C d-Limonene

### Flammable Limits - Lower

0.7% d-Limonene

### Flammable Limits - Upper

6.1% d-Limonene

## 10. STABILITY AND REACTIVITY

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### Chemical Stability

Stable under normal use conditons.

### Conditions to Avoid

Heat, open flames and other sources of ignition. Prevent the build up of mists or vapours in the workplace atmosphere.

### Incompatible materials

Strong oxidising agents. Alkylbenzene sulfonic acid.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and / or irritating fumes including: carbon dioxide and monoxide.

### Possibility of hazardous reactions

Reacts with oxidising agents.

## Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

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### Toxicology Information

LD 50 : d-Limonene 4,400 mg/kg oral, rat  
Surfactant No data

### Ingestion

Citrus terpenes are harmful if swallowed. However, is designated GRAS by FEMA and approved by FDA for flavour use in foods.

### Inhalation

High vapour levels may lead to irritation of the respiratory system, headaches, dizziness, anaesthesia and central nervous system depression. Aspiration into the lungs during swallowing or vomiting may lead to bronchitis, chemical pneumonitis and pulmonary oedema (fluid in the lungs).

### Skin

Will have a degreasing effect on the skin which may lead to irritation.

### Eye

Irritant. Spray/mist will irritate the eyes. Vapour may lead to eye irritation.

### Chronic Effects

Repeated skin contact may lead to dermatitic effects. Some individuals may become sensitive to d-limonene.

## 12. ECOLOGICAL INFORMATION

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### Ecological information

Prevent spillages from entering natural waters.

### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Persistence and degradability

Biodegradable

## 13. DISPOSAL CONSIDERATIONS

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### Waste Disposal

Land fill, incineration. Refer to Land Waste Management Authority in your State.

Labels should not be removed from containers until they have been cleaned, advise flammable nature. Empty containers may contain flammable residues, DO NOT cut, puncture or weld on or near the container. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and state regulations.

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected.

## 14. TRANSPORT INFORMATION

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### Transport Information

Dangerous Goods of Class 3 Flammable Liquids, are incompatible in a placard load with any of the following: - Class 1, Class 2.1, if both the Class 3 and Class 2.1, dangerous goods are in bulk, Class 2.3, Class 4.2, Class 5, Class 6, if the Class 3 dangerous goods are nitromethane and Class 7.

### U.N. Number

2052

### UN proper shipping name

DIPENTENE

### Transport hazard class(es)

3

**Packing Group**

III

**Hazchem Code**

3Y

**IERG Number**

14

**15. REGULATORY INFORMATION**

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**Regulatory information**

Classified as hazardous according to criteria of GHS.

Not classified as a scheduled poison according to criteria of SUSMP.

**Poisons Schedule**

Not Scheduled

**16. OTHER INFORMATION**

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**Date of preparation or last revision of SDS**

SDS created: December 2016

**Contact Person/Point**

The Company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

24-Hour Emergency Telephone: AUS: 1800 629 953 NZ: Poisons 0800 764 766,

**Signature of Preparer/Data Service**

Technical Manager

Tel. (08) 9337 4844

**END OF SDS**

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