



# Safety Data Sheet

Issue date: Aug/2014

## 1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

**Product Name:** Melt O Clean

**Product Type and Use:** Cleaner

**Supplier:** Henkel New Zealand Limited, 106 Springs Road, East Tamaki, Auckland, New Zealand. Phone 09 272 6710

**Emergency Contact:** 0800 CHEMCALL  
0800 243 622  
Hazardous Substance EMERGENCY  
24 hour – 365 day service

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:**

- 3.1C – flammable liquid
- 6.1E (oral) – acute toxicity
- 6.3B – skin irritancy
- 6.4A – eye irritancy
- 6.5B – contact sensitisation
- 9.1 (crustacean) - ecotoxicity
- 9.1 (fish) - ecotoxicity
- 9.2B - ecotoxicity

**Risk Phrase(s):**

R10 Flammable

R38 Irritating to skin.

R43: May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse affects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization:** Liquid dispersion

Ingredients	Name	CAS	Proportion
	Limonene, D-	5989-27-5	>= 50%
	Other ingredients		
	Determined not to		
	Be hazardous		

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### **4. FIRST AID MEASURES**

#### **Contact with skin:**

Wash with plenty of water and soap. Remove contaminated clothing. Seek medical assistance if symptoms persist.

#### **Contact with eyes:**

Wash immediately with copious amounts of water holding eye lids open. Seek medical assistance if symptoms persist.

#### **Ingestion:**

Do NOT induce vomiting. Contact a doctor at once.

#### **Inhalation:**

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Seek medical assistance if symptoms persist.

#### **Advice to Doctor:**

Treat symptomatically.

### **5. FIRE-FIGHTING MEASURES**

#### **Suitable Extinguishing Media:**

Water spray or fog, foam, carbon dioxide or dry chemical.

#### **Specific Methods:**

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

#### **Specific Hazards:**

Product will support combustion and burn in a general fire. Under fire conditions, it can produce oxides of carbon, smoke and oxidative products of polymeric compounds.

#### **Precautions in Connection with Fires:**

Water spray may be used to keep fire exposed containers cool. Limonene is a flammable liquid. Vapours may form explosive mixtures at or above 48C. Liquid can float on water and be carried.

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### **6. ACCIDENTAL RELEASE MEASURES**

#### **Measures for personal safety:**

Wear appropriate protective clothing.

#### **Environmental measures:**

Soak up with liquid absorbing material. Shovel up and place in bins for disposal. Do not allow to enter drainage system, surface or ground water.

### **7. HANDLING AND STORAGE**

#### **Handling precautions:**

Avoid contact and inhalation. See section 8 below.

Do not eat or drink while working.

Ensure work rooms are well ventilated

#### **Storage conditions:**

Store in a cool area to prolong storage life. Store away from incompatible materials.

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

#### **National Exposure Standards:**

#### **Engineering Controls:**

Ensure sufficient ventilation to maintain airborne concentrations below exposure limits. General ventilation is recommended during normal use. Local ventilation maybe required during certain operations to prevent inhalation of vapours or mist.

#### **Components with specific control parameters:**

None

#### **Respiratory Protection:**

Where concentrations in air may exceed the recommended exposure limits, or work practice or other means of exposure reduction are not adequate, approved respirator may be necessary to prevent overexposure by inhalation. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required, will vary according individual circumstances. Expert advice may be required to make this decision. References should be made to Australia Standard AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

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### Eye Protection:

Safety glasses with side shields or goggles should be worn as described in Australia/New Zealand Standard AS/NZS 1337 – Eye Protectors in Industrial Applications

### Hand Protection:

Chemical resistance gloves should be worn.

### Footwear:

Safety boots.

### Body Protection:

Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

### Hygiene Measures:

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

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance and colour:** Clear liquid

**Odour:** Sweet odour

**Boiling Point:** 173°C

**Flash Point:** 47°C

**Vapour pressure:** (20°C) 2.3 mbar

**Specific Gravity:** 0.85 (water = 1)

**Explosion Limit:**

Lower (vol%)            0.8 %(V)

Upper (vol%)           6.1 %(V)

## **10. STABILITY AND REACTIVITY**

**Chemical Stability:**

Stable under normal conditions.

**Incompatible Materials:**

Strong acids and oxidizing agents.

**Hazardous decomposition products:**

Carbon monoxide, carbon dioxide, oxides of nitrogen, fumes and smoke.

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#### **11. TOXICOLOGICAL INFORMATION**

##### **Toxicology Information:**

**Skin Irritation:** Primary skin irritation – irritating

**Sensitising:** May cause sensitization by skin contact.

#### **12. ECOLOGICAL INFORMATION**

##### **Ecotoxicity:**

Very toxic to aquatic life.

Toxic to soil environments.

##### **Persistence / Degradability:**

##### **Mobility:**

No data available for this specific material.

##### **Bioaccumulative:**

Yes

##### **Environment Protection:**

Adopt sound working practices, so that the product is not released into the environment.

#### **13. DISPOSAL CONSIDERATIONS**

##### **Material:**

(1.) A substance must be disposed of by –

a). exporting the substance from New Zealand as waste; or

b). treating the substance so that it is no longer a hazardous substance

(2.) In subclause 1(b), “treating the substance” does not include depositing the substance in a sewage facility but does include -

a). burning in an incineration facility, provided –

(i) the burning is managed to the performance requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001 in relation to blast overpressure, heat radiation and access by persons; and

(ii) the burning operation does not exceed any relevant tolerable exposure limit and / or environmental exposure limit set for the substance or any of its component(s); or

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- b). depositing the substance in a landfill provided the landfill is managed to ensure that –
- (i) the substance will not at any time come into contact with an explosive or oxidising substance (HSNO class 1 or 5); and
  - (ii) there is no ignition source in the vicinity of the disposal site that is capable of igniting the substance; and
  - (iii) were the substance to ignite, no person or place where a person may legally be, would be exposed to more blast overpressure or heat radiation than that described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulation 2001; and
  - (iv) the concentration of the substance in any discharge from the landfill does not, after reasonable mixing, exceed any relevant tolerable exposure limit and / or environmental exposure limit set for the substance or any of its component(s).

(3.) This clause does not apply to a substance that is intended for recycling.

#### **Packaging:**

- (1) The conditions of this clause apply to a package that –
  - (a) contained a substance; and
  - (b) was in direct contact with the substance; and
  - (c) is no longer to be used to contain the substance and is intended for disposal.
- (2) A package must –
  - (a) Be rendered incapable of containing any substance; and
  - (b) Be disposed of in a manner that is consistent with that of the substance it contained, taking into account the nature and type of the packaging
- (3) Packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with subclause (2).
- (4) Notwithstanding subclause (2), a package may be reused or recycled if –
  - (a) It has been treated to remove any residual contents of the substance; or
  - (b) The residual contents of the package have been rendered non-hazardous.

#### **14. TRANSPORT INFORMATION**

##### **Transport Information:**

UN Number: 2052  
Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (CONTAINS >50% w/w Limonene-D)  
Class: 3, Flammable  
Packing Group: III  
Hazchem code: 3[Y]

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Emergency Information: Dangerous Goods-Initial Emergency Response Guide  
(SAA/SNZ HB 76) or EPG 3A1

### **Storage and Transport:**

Not classified as dangerous goods.

## **15. REGULATORY INFORMATION**

### **Regulatory Information:**

Symbols of Danger:

Xi Irritant

Ingredients: Limonene-D

R-phrases:

R10 Flammable

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

S24: Avoid contact with skin.

S37 Wear suitable gloves

S60: This material and its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions / Safety data sheet.

Additional labeling:

Contains isocyanates. Follow the manufacturer's instructions.

HSNO Approval Number: HSR002528

## **16. OTHER INFORMATION**

### **Contact Person / Point:**

For further information contact: Henkel New Zealand Industrial Adhesives  
Division. Auckland 09 272 6710

### **Important Note:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.