

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.04.2015

Version number 11

Revision: 24.04.2015

### SECTION 1: Identification of the substance/mixture and of the company/ undertaking

**Product identifier****Trade name: ORBAFOAM LIMPIADOR NUEVO AE****Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture** Remover**Details of the supplier of the safety data sheet****Manufacturer/Supplier:****New Zealand Supplier:** Glue Guru Limited  
18 Kaimahi Road  
Wairau Valley, Auckland 0627

NZ Telephone &amp; Email: 09 444 4878 / info@glueguru.co.nz

**NZ Emergency No: 0800 764 766 / 0800 POISON - (National Poison Centre)**

### SECTION 2: Hazards identification

**Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36: Irritating to eyes.



F+; Extremely flammable

R12: Extremely flammable.

R66-67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**Information concerning particular hazards for human and environment:**

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurised container.

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**Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS02 GHS07

**Signal word** Danger**Hazard-determining components of labelling:**

acetone  
ethyl acetate

**Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

P102 Keep out of reach of children.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P271 Use only outdoors or in a well-ventilated area.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

**Additional information:**

Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Do not spray on an open flame or other ignition source.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients****Chemical characterisation: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

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**Dangerous components:**

CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone ☒ Xi R36; ☒ F R11 R66-67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	19.0-34.0%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-xxxx	ethyl acetate ☒ Xi R36; ☒ F R11 R66-67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	19.0-34.0%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX,	propan-2-ol ☒ Xi R36; ☒ F R11 R67 ☒ Flam. Liq. 2, H225; ☒ Eye Irrit. 2, H319; STOT SE 3, H336	9.0-19.0%
CAS: 74-98-6 EINECS: 200-827-9 Reg.nr.: 01-21194869440-21-xxxx	propane ☒ F+ R12 ☒ Flam. Gas 1, H220; Press. Gas C, H280	<10.0%
CAS: 106-97-8 EINECS: 203-448-7 Reg.nr.: 01-2119474691-31-xxxx	butane ☒ F+ R12 ☒ Flam. Gas 1, H220; Press. Gas C, H280	<10.0%
CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27-xxxx	isobutane ☒ F+ R12 ☒ Flam. Gas 1, H220; Press. Gas C, H280	<10.0%

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

## SECTION 4: First aid measures

• **Description of first aid measures**

• **General information:** Immediately remove any clothing soiled by the product.

• **After inhalation:**

Supply fresh air and to be sure call for a doctor.

Use a respiratory bag or breathing device.

In case of unconsciousness place patient stably in side position for transportation.

• **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

• **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

• **Information for doctor:**

• **Most important symptoms and effects, both acute and delayed**

Stupor

Headache

Unconsciousness

Coughing

Nausea

Disziness

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- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Carbon dioxide  
Water spray  
Fire-extinguishing powder  
Alcohol resistant foam
- **Special hazards arising from the substance or mixture**  
Can form explosive gas-air mixtures.  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources.  
Do not breathe gas/fumes/vapour/spray.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Allow to evaporate.  
Ensure adequate ventilation.
- **Reference to other sections** See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray onto a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.

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- Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:**  
Store away from oxidising agents.  
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **Further information about storage conditions:**  
Store in vertical position in closed original containers.  
Store at temperature from + 5 °C to + 30 °C.  
Protect from heat and direct sunlight.  
Store under lock and key and out of the reach of children.
- **Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**

<b>67-64-1 acetone</b>	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
<b>141-78-6 ethyl acetate</b>	
WEL	Short-term value: 400 ppm Long-term value: 200 ppm
<b>67-63-0 propan-2-ol</b>	
WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
<b>106-97-8 butane</b>	
WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not eat, drink, smoke or sniff while working.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
Rubber gloves

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Plastic gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties**

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· <b>Form:</b>	Aerosol
· <b>Colour:</b>	Colorless
· <b>Odour:</b>	Characteristic

· **Change in condition**

· <b>Melting point/Melting range:</b>	-160 °C
· <b>Boiling point/Boiling range:</b>	-12 °C

· **Flash point:** -10 °C

· **Danger of explosion:** Heating may cause an explosion.

· **Explosion limits:**

· **Oxidising properties** Extremely flammable.

· **Vapour pressure at 20 °C:** >500 kPa

· **Density:** Not determined.

· **Solubility in / Miscibility with water:**

Soluble.

· **Solvent content:**

· **VOC (EC)** 89.00 %

· **Other information** No further relevant information available.

**SECTION 10: Stability and reactivity**

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

To avoid thermal decomposition do not overheat.

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- No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with oxidising agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Avoid contact with other chemicals.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

#### 141-78-6 ethyl acetate

Oral	LD50	>200 mg/kg (fish) 5620 mg/kg (rabbit)
Inhalative	LC50/4h	1600 mg/l (rat)

#### 67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
Inhalative	LC50/4h	7.5 mg/l (fish)

#### 67-63-0 propan-2-ol

Oral	LD50	>100 mg/kg (fish) 5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4h	30 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant  
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, disziness, etc.

### SECTION 12: Ecological information

- **Toxicity**

- **Aquatic toxicity:**

#### 67-63-0 propan-2-ol

EC50	>100 mg/kg (daphnia)
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#### 141-78-6 ethyl acetate

EC50	>700 mg/kg (daphnia)
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#### 67-64-1 acetone

EC50	10 mg/kg (daphnia)
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- **Persistence and degradability** Easily biodegradable

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Not worth-mentioning accumulating in organisms
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

14 06 03*	other solvents and solvent mixtures
15 01 05	composite packaging

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

- **UN-Number**
- **ADR, IMDG, IATA** UN1950
- **UN proper shipping name**
- **ADR** 1950 AEROSOLS
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable

· **Transport hazard class(es)**

- **ADR**



- **Class** 2 5F Gases.

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· <b>Label</b>	2.1
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	2.1
· <b>Label</b>	2.1
· <b>Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Warning: Gases.
· <b>Danger code (Kemler):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D
· <b>UN "Model Regulation":</b>	UN1950, AEROSOLS, 2.1

**SECTION 15: Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
- **R11** Highly flammable.
- **R12** Extremely flammable.
- **R36** Irritating to eyes.

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R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 1: Flammable gases, Hazard Category 1

Flam. Aerosol 1: Flammable aerosols, Hazard Category 1

Press. Gas C: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3