



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

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

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

### · 1.1 Product identifier

· Trade name: **De-Solv-It® Microwave Miracle**

· Article number: 20271

### · 1.2 Relevant identified uses of the substance or mixture and uses advised against

#### · Sector of Use

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Application of the substance / the mixture Cleaning agent/ Cleaner

### · 1.3 Details of the supplier of the safety data sheet

#### · Manufacturer/Supplier:

ZEP UK Ltd  
PO Box 12 Tanhouse Lane  
Widnes Cheshire, WA8 ORD  
United Kingdom  
Phone: +44 0151 422 1000  
FAX: +44 0151 422 1011  
@: info@zep.co.uk  
web: www.zep.co.uk

ZEP Industries BV  
Vierlinghweg 30  
4612 PN Bergen op Zoom  
The Netherlands  
Tel: (NL) + 31 164 250 100 (B) + 32 2 347 0117  
Fax:(NL) + 31 164 266 710 (B) + 32 2 347 1395  
@: sales@zепенelux.com

ZEP ITALIA SRL  
Via Netunese Km. 25.000  
04011 Aprilia (LT) - Italy  
Tel: +39.06.926691  
Fax: +39.06.92747061  
@: tecnico@zepeurope.com  
Sito: www.zep.it

### · Further information obtainable from:

#### Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

### · 1.4 Emergency telephone number:

#### Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

## SECTION 2: Hazards identification

### · 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008 The substance is not classified according to the CLP regulation.

### · 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008 Void

· Hazard pictograms Void

· Signal word Void

· Hazard statements Void

· Precautionary statements

P260 Do not breathe spray.

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.

· Additional information:

Keep out of the reach of children

(Contd. on page 2)

GB

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

Trade name: **De-Solv-It® Microwave Miracle**

(Contd. of page 1)

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-xxxx	1-methoxy-2-propanol Flam. Liq. 3, H226 STOT SE 3, H336	1-2.5%
CAS: 68424-85-1 EINECS: 270-325-2 Reg.nr.: 01-2119983287-23-XXXX	N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride Skin Corr. 1B, H314 Aquatic Acute 1, H400 Acute Tox. 4, H302	0.1-1%

- **Ingredients according to Detergents Regulation 648/2004/EC**  
For the wording of the listed risk phrases refer to section 16.

Nonionic surfactants, Amphoteric surfactants, Benzalkonium Chloride	< 5%
Preservation agents (METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE)	

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 3)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

Trade name: **De-Solv-It® Microwave Miracle**

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 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.

### · 8.1 Control parameters

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

#### **107-98-2 1-methoxy-2-propanol (1-2.5%)**

WEL (Great Britain)	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Sk
---------------------	---

IOELV (European Union)	Short-term value: 568 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm Skin
------------------------	---

#### **1310-58-3 Potassium hydroxide (< - 0.1%)**

WEL (Great Britain)	Short-term value: 2 mg/m <sup>3</sup>
---------------------	---------------------------------------

- **DNELs**

#### **107-98-2 1-methoxy-2-propanol**

Oral	DNEL Long term-systemic	3.3 mg/kg human/day (consumer)
Dermal	DNEL Long term-systemic	18.1 mg/kg human/day (consumer)
		50.6 mg/kg human/day (worker)
Inhalative	DNEL Acute-local mg/m <sup>3</sup>	553.5 mg/m <sup>3</sup> (worker)
	DNEL Long term-systemic mg/m <sup>3</sup>	43.9 mg/m <sup>3</sup> (consumer) 369 mg/m <sup>3</sup> (worker)

- **PNECs**

#### **107-98-2 1-methoxy-2-propanol**

PNEC Freshwater mg/L	10 mg/L (-)
PNEC Freshwater sediment	41.6 mg/Kg (-)
PNEC Marine water sediment	4.17 mg/Kg (-)
PNEC Sewage treatment Plant mg/L	100 mg/L (-)
PNEC Soil	2.47 mg/Kg (-)

- **Additional information:** The lists valid during the making were used as basis.

### · 8.2 Exposure controls

- **Personal protective equipment:**
- **General protective and hygienic measures:** Avoid close or long term contact with the skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.
- **Protection of hands:**  
To avoid skin problems reduce the wearing of gloves to the required minimum.



Protective gloves

- **Material of gloves**

Generally the product does not irritate the skin.

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

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

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

Trade name: *De-Solv-It® Microwave Miracle*

(Contd. of page 3)

### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form:	Liquid
Colour:	Yellow tint
Odour:	Fruit-like

· pH-value: 11

##### · Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

##### · Ignition temperature:

Decomposition temperature: Not determined.

· Self-igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

##### · Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20 °C: 23 hPa

· Density at 20 °C:	1.001 g/cm <sup>3</sup>
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

· Solubility in / Miscibility with water: Fully miscible.

· Partition coefficient (n-octanol/water): Not determined.

##### · Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

##### · Solvent content:

Organic solvents: 2,0 %

· 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

#### · 10.1 Reactivity

#### · 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions: No dangerous reactions known.

· 10.4 Conditions to avoid: No further relevant information available.

· 10.5 Incompatible materials: No further relevant information available.

· 10.6 Hazardous decomposition products: No dangerous decomposition products known.

GB

(Contd. on page 5)

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

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

Trade name: **De-Solv-It® Microwave Miracle**

(Contd. of page 4)

### SECTION 11: Toxicological information

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

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

**107-98-2 1-methoxy-2-propanol**

Oral	LD50	4016 mg/kg (Rat)
Dermal	LD50	2000 mg/kg (Rabbit)
Inhalative	LC50 / 4 h	27596 mg/ltr (Rat)
	EC 50 / 48 h (static)	23300 mg/ltr ( <i>Daphnia magna</i> (water flea))
	LC50 / 96 h (static)	6812 mg/ltr ( <i>Leuciscus idus</i> )

**68424-85-1 N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride**

Oral	LD50	344 mg/kg (Rat)
Dermal	LD50	3340 mg/kg (Rabbit)
	EC 50 / 48 h	0.016 mg/ltr ( <i>Daphnia magna</i> (water flea))
	LC50 / 96 h	0.515 mg/ltr ( <i>Lepomus gobbosus</i> (Zonnebaars))
		0.93 mg/ltr ( <i>Oncorhynchus mykiss</i> (Rainbow trout))
		0.28 mg/ltr ( <i>Pimephales promelas</i> )

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**  
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.  
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**68424-85-1 N-Alkyl-N,N-dimethyl-N-benzylammonium Chloride**

OECD test 301 B	95.5 % (biodegradation in % after 28 days)
OECD test 301 D	>60% (biodegradation in % after 28 days)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.  
Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

GB

(Contd. on page 6)

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

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

Trade name: *De-Solv-It® Microwave Miracle*

(Contd. of page 5)

### SECTION 14: Transport information

· <b>14.1 UN-Number</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	-

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	1-2,5

· **15.2 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**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

· **Department issuing MSDS:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **Contact:**

Customer Service

NL: Tel: + 31 164 250 100 Fax: + 31 164 266 710

B: Tel: +32 2 347 0117 Fax: +32 2 347 1395

IT: Tel: +39 069 266 91 Fax: +39 06.927 470 61

UK: Tel: +44 151 422 1000 Fax: +44 151 422 1011

· **Abbreviations and acronyms:**

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

(Contd. on page 7)

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

Printing date 22.06.2015

Version: 1

Revision: 22.06.2015

**Trade name: De-Solv-It® Microwave Miracle**

(Contd. of page 6)

*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**Flam. Liq. 3: Flammable liquids, Hazard Category 3**Acute Tox. 4: Acute toxicity, Hazard Category 4**Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B**STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3**Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1**· \* Data compared to the previous version altered.*

GB