



## Safety Data Sheet according to Regulation (EC) No 1907/2006

Page 1 of 16

SDS No. : 44482  
V012.0

TECHNOMELT CLEANER M-O-C SCAND

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Replaces version from: 10.01.2018

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

#### 1.1. Product identifier

TECHNOMELT CLEANER M-O-C SCAND

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

Intended use:  
Cleaner

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

Henkel Ltd  
Wood Lane End  
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 1442 278000

Fax-no.: +44 1442 278071

ua-productsafety.uk@henkel.com

#### 1.4. Emergency telephone number

24 Hours Emergency Tel: +44 0 8701 906777 - For further general health & safety, technical and practical advice on this product, please call +44 (0) 1606 593933 or write to: Technical Services; Henkel Limited; Road 5; Winsford Industrial Estate; Winsford; Cheshire; CW7 3QY- Email: technical.services@henkel.co.uk

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

Flammable liquids	Category 3
H226 Flammable liquid and vapor.	
Skin irritation	Category 2
H315 Causes skin irritation.	
Skin sensitizer	Category 1
H317 May cause an allergic skin reaction.	
Aspiration hazard	Category 1
H304 May be fatal if swallowed and enters airways.	
Acute hazards to the aquatic environment	Category 1
H400 Very toxic to aquatic life.	
Chronic hazards to the aquatic environment	Category 1
H410 Very toxic to aquatic life with long lasting effects.	

#### 2.2. Label elements

##### Label elements (CLP):

**Hazard pictogram:****Contains**

Limonene  
 Pin-2(3)-ene  
 4-isopropenylcyclohex-1-enecarbaldehyde  
 Pin-2(10)-ene  
 Terpinolene  
 3,7,7-trimethylbicyclo[4.1.0]hept-3-ene

**Signal word:**

Danger

**Hazard statement:**

H226 Flammable liquid and vapor.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statement:  
Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing mist/vapours.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves.

**Precautionary statement:  
Response**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 P331 Do NOT induce vomiting.  
 P370+P378 In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

**Precautionary statement:  
Storage**

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

**2.3. Other hazards**

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.  
 Solvents contained in the product evaporate during processing and their vapors can form explosive/highly inflammable air/vapor mixtures.  
 The solvent vapors are heavier than air and may collect in high concentrations at floor level.

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures****General chemical description:**

Cleaner

**Base substances of preparation:**

Orange terpenes

## Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Limonene 5989-27-5	205-341-0, 227-813-5 01-2119529223-47	80- 100 %	Flam. Liq. 3 H226 Skin Irrit. 2 H315 Asp. Tox. 1 H304 Skin Sens. 1 H317 Aquatic Chronic 1 H410 Aquatic Acute 1 H400
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	204-622-5	1- < 3 %	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Eye Irrit. 2 H319 Skin Irrit. 2 H315 Aquatic Acute 1 H400 Aquatic Chronic 2 H411
Pin-2(3)-ene 80-56-8	201-291-9	0,1- < 1 %	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Flam. Liq. 3 H226 Asp. Tox. 1; Oral H304 Skin Sens. 1B H317 Skin Irrit. 2 H315 Acute Tox. 4 H302
4-isopropenylcyclohex-1-enecarbaldehyde 2111-75-3	218-302-8	0,1- < 1 %	Skin Irrit. 2; Dermal H315 Skin Sens. 1; Dermal H317
Pin-2(10)-ene 127-91-3	204-872-5	0,1- < 1 %	Aquatic Acute 1 H400 Aquatic Chronic 1 H410 Flam. Liq. 3 H226 Asp. Tox. 1; Oral H304 Skin Sens. 1; Dermal H317 Skin Irrit. 2 H315
Terpinolene 586-62-9	209-578-0	0,1- < 1 %	Asp. Tox. 1; Oral H304 Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
3,7,7-trimethylbicyclo[4.1.0]hept-3-ene 13466-78-9	236-719-3	0,1- < 1 %	Flam. Liq. 3 H226 Asp. Tox. 1 H304 Skin Sens. 1

			H317 Skin Irrit. 2 H315 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
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**For full text of the H - statements and other abbreviations see section 16 "Other information".  
Substances without classification may have community workplace exposure limits available.**

**Declaration of ingredients according to Detergent Regulation 648/2004/EC**

contains	Perfumes
Allergenic fragrance ingredients >=100 ppm:	Limonene, Myrcene, Alpha-Pinenes, Perillaldehyde, Decanal, Terpinolene, Beta-Pinenes

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation:  
Move to fresh air, consult doctor if complaint persists.

Skin contact:  
IF ON SKIN: Wash with plenty of soap and water.  
In case of adverse health effects seek medical advice.

Eye contact:  
Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:  
Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.  
After ingestion or vomit: danger of product entering the lung.

### 4.2. Most important symptoms and effects, both acute and delayed

SKIN: Redness, inflammation.

SKIN: Rash, Urticaria.

ASPIRATION: Coughing, shortness of breath, nausea. Delayed effect: bronchopneumonia or pulmonary oedema

### 4.3. Indication of any immediate medical attention and special treatment needed

Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary oedema.  
Do not induce vomiting.  
Seek medical attention from a specialist.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

All common extinguishing agents are suitable.

#### Extinguishing media which must not be used for safety reasons:

High pressure waterjet

### 5.2. Special hazards arising from the substance or mixture

In case of fire toxic gases can be released.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus.

Wear protective equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment.

Avoid contact with skin and eyes.

Keep unprotected persons away.

Danger of slipping on spilled product.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

Inform authorities in the event of product spillage to water courses or sewage systems.

**6.3. Methods and material for containment and cleaning up**

Remove with liquid-absorbing material (sand, peat, sawdust).

Dispose of contaminated material as waste according to Section 13.

**6.4. Reference to other sections**

See advice in section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Avoid open flames and sources of ignition.

Ground/bond container and receiving equipment.

Use explosion proof electric equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Take off contaminated clothing and wash before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure good ventilation/extraction.

Keep container tightly sealed.

Ensure that storage and workrooms are adequately ventilated.

Store protected from heat influence.

**7.3. Specific end use(s)**

Cleaner

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits

Valid for  
Great Britain

None

#### Occupational Exposure Limits

Valid for  
Ireland

None

#### Derived No-Effect Level (DNEL):

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Pin-2(3)-ene 80-56-8	Workers	inhalation	Long term exposure - systemic effects		3,8 mg/m <sup>3</sup>	
Pin-2(3)-ene 80-56-8	Workers	dermal	Long term exposure - systemic effects		0,54 mg/kg	
Pin-2(3)-ene 80-56-8	General population	inhalation	Long term exposure - systemic effects		0,67 mg/m <sup>3</sup>	
Pin-2(3)-ene 80-56-8	General population	dermal	Long term exposure - systemic effects		0,19 mg/kg	
Pin-2(3)-ene 80-56-8	General population	oral	Long term exposure - systemic effects		0,19 mg/kg	

#### Biological Exposure Indices:

None

### 8.2. Exposure controls:

Engineering controls:  
Use only in well ventilated areas.

Respiratory protection:

In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).

This recommendation should be matched to local conditions.

**Hand protection:**

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq 0.4$  mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

**Eye protection:**

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

**Skin protection:**

Wear protective equipment.

Protective clothing that covers arms and legs.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

**Advices to personal protection equipment:**

Use only personal protection that's CE-labelled according to Directive 89/686/EEC (Europe) or to Regulation No. 819 of 19 August 1994 (Norway).

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.

Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

Appearance	liquid liquid colourless
Odor	characteristic
Odour threshold	No data available / Not applicable
pH	No data available / Not applicable
Melting point	Not available.
Solidification temperature	No data available / Not applicable
Initial boiling point (1.013 hPa)	173 °C (343.4 °F)
Flash point	40 - 50 °C (104 - 122 °F); DIN 51755 Closed cup flash point
Evaporation rate	No data available / Not applicable
Flammability	No data available / Not applicable
Explosive limits	
lower	0,8 %(V)
upper	6,1 %(V)
Vapour pressure (20 °C (68 °F))	2,3 mbar
Relative vapour density:	No data available / Not applicable
Density (20 °C (68 °F))	0,846 g/cm <sup>3</sup>
Bulk density	No data available / Not applicable
Solubility	No data available / Not applicable
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Not miscible
Partition coefficient: n-octanol/water	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable

Oxidising properties

No data available / Not applicable

**9.2. Other information**

No data available / Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None if used for intended purpose.

**10.2. Chemical stability**

Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

See section reactivity

**10.4. Conditions to avoid**

Heat, flames, sparks and other sources of ignition.

**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

No decomposition if used according to specifications.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Limonene 5989-27-5	LD50	> 5.000 mg/kg	rat	not specified
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Pin-2(10)-ene 127-91-3	LD50	> 5.000 mg/kg	rat	Limit Test
Terpinolene 586-62-9	LD50	3.800 mg/kg	rat	not specified

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Limonene 5989-27-5	LD50	> 5.000 mg/kg	rabbit	not specified
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	LD50	> 5.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Pin-2(3)-ene 80-56-8	LD50	> 2.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
Pin-2(10)-ene 127-91-3	LD50	> 5.000 mg/kg	rabbit	Limit Test
Terpinolene 586-62-9	LD50	> 5.000 mg/kg	rabbit	not specified



**Acute inhalative toxicity:**

No data available.

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Limonene 5989-27-5	moderately irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
7-Methyl-3- methylenoocta-1,6-diene 123-35-3	irritating		human	EPISKIN Method
Pin-2(3)-ene 80-56-8	Category 2 (irritant)		Human, SkinEthic™ RHE, Reconstructed Human Epidermis	other guideline:

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
7-Methyl-3- methylenoocta-1,6-diene 123-35-3	Category 2 (irritant)		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Pin-2(3)-ene 80-56-8	not irritating		Human, in vitro, reconstituted human corneal model	other guideline:

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Limonene 5989-27-5	sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
7-Methyl-3- methylenoocta-1,6-diene 123-35-3	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Pin-2(3)-ene 80-56-8	negative	DNA damage and repair assay, unscheduled DNA synthesis in mammalian cells in vitro	without		not specified
Pin-2(3)-ene 80-56-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Pin-2(3)-ene 80-56-8	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Pin-2(10)-ene 127-91-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Pin-2(10)-ene 127-91-3	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		not specified
Pin-2(10)-ene 127-91-3	negative	sister chromatid exchange assay in mammalian cells	without		not specified

**Carcinogenicity**

No data available.

**Reproductive toxicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	NOAEL P 300 mg/kg NOAEL F1 300 mg/kg	one-generation study	oral: gavage	rat	OECD Guideline 415 (One-Generation Reproduction Toxicity Study)

**STOT-single exposure:**

No data available.

**STOT-repeated exposure::**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
7-Methyl-3-methyleneocta-1,6-diene 123-35-3	NOAEL > 250 mg/kg	oral: gavage	14 w 5 d/w	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Pin-2(3)-ene 80-56-8		inhalation	90 d 6 h/d; 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)
Pin-2(3)-ene 80-56-8		inhalation	90 d 6 h/d; 5 d/w	rat	OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day)

**Aspiration hazard:**

No data available.

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains, soil or bodies of water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Limonene 5989-27-5	LC50	0,702 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
7-Methyl-3-methyleneocta- 1,6-diene 123-35-3	LC50		96 h	Cyprinus carpio	OECD Guideline 203 (Fish, Acute Toxicity Test)
Pin-2(3)-ene 80-56-8	LC50	0,28 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Pin-2(10)-ene 127-91-3	LC50	0,5 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Terpinolene 586-62-9	LC50	0,688 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
3,7,7- trimethylbicyclo[4.1.0]hept-3- ene 13466-78-9	LC50			Cyprinus carpio	OECD Guideline 203 (Fish, Acute Toxicity Test)

#### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Limonene 5989-27-5	EC50	0,577 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
7-Methyl-3-methyleneocta- 1,6-diene 123-35-3	EC50	1,47 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Pin-2(10)-ene 127-91-3	EC50	1,25 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Terpinolene 586-62-9	EC50	0,634 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
3,7,7- trimethylbicyclo[4.1.0]hept-3- ene 13466-78-9	EC50	0,8 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

#### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Limonene 5989-27-5	NOEC	0,08 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Limonene 5989-27-5	EC50	0,32 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Limonene 5989-27-5	EC10	0,174 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
7-Methyl-3-methyleneocta- 1,6-diene 123-35-3		0,342 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
7-Methyl-3-methyleneocta- 1,6-diene 123-35-3		0,274 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Pin-2(10)-ene 127-91-3	EC50	1,44 mg/l	48 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)
Terpinolene 586-62-9	EC10	0,273 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Terpinolene 586-62-9	EC50	0,692 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
3,7,7- trimethylbicyclo[4.1.0]hept-3- ene 13466-78-9	NOEC			Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
3,7,7- trimethylbicyclo[4.1.0]hept-3- ene 13466-78-9	EC50			Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

#### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Limonene 5989-27-5	EC10	18 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)
Terpinolene 586-62-9	EC50	69 mg/l	3 h	activated sludge of a predominantly domestic sewage	OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test)

#### 12.2. Persistence and degradability

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Limonene 5989-27-5	readily biodegradable	aerobic	80 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
7-Methyl-3-methyleneocta- 1,6-diene 123-35-3	readily biodegradable	aerobic	76 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Pin-2(3)-ene 80-56-8	readily biodegradable	aerobic	76 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Pin-2(10)-ene 127-91-3	readily biodegradable	aerobic	76 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Terpinolene 586-62-9	readily biodegradable	aerobic	81 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
3,7,7- trimethylbicyclo[4.1.0]hept-3- ene 13466-78-9	readily biodegradable	aerobic	76 %	28 d	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)

#### 12.3. Bioaccumulative potential

No data available.

#### 12.4. Mobility in soil

Hazardous substances CAS-No.	LogPow	Temperature	Method
Limonene 5989-27-5	4,57		not specified
7-Methyl-3-methyleneocta- 1,6-diene 123-35-3	4,82	30 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
Pin-2(3)-ene 80-56-8	4,6 - 5,5	35 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
4-isopropenylcyclohex-1- enecarbaldehyde 2111-75-3	3,34		not specified
Pin-2(10)-ene 127-91-3	4,425	25 °C	OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)
Terpinolene 586-62-9	5,3	30 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)
3,7,7- trimethylbicyclo[4.1.0]hept-3- ene 13466-78-9	4,38	37 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

### 12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or vPvB.

### 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

080409

## SECTION 14: Transport information

**14.1. UN number**

ADR	2052
RID	2052
ADN	2052
IMDG	2052
IATA	2052

**14.2. UN proper shipping name**

ADR	DIPENTENE
RID	DIPENTENE
ADN	DIPENTENE
IMDG	DIPENTENE
IATA	Dipentene

**14.3. Transport hazard class(es)**

ADR	3
RID	3
ADN	3
IMDG	3
IATA	3

**14.4. Packing group**

ADR	III
RID	III
ADN	III
IMDG	III
IATA	III

**14.5. Environmental hazards**

ADR	Environmentally Hazardous
RID	Environmentally Hazardous
ADN	Environmentally Hazardous
IMDG	Marine pollutant
IATA	not applicable

**14.6. Special precautions for user**

ADR	not applicable
	Tunnelcode: (D/E)
RID	not applicable
ADN	not applicable
IMDG	not applicable
IATA	not applicable

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

## SECTION 15: Regulatory information

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

VOC content	93,5 %
(VOCV 814.018 VOC regulation CH)	

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.

**Further information:**

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (ua-productsafety.de@henkel.com) prior to export to other territories than the European Union.

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.

**Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.**