



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

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Melt-O-Clean

sds no. : 44482
V008.0

Revision: 04.11.2010
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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Melt-O-Clean

Contains:

Terpenes and Terpenoids, sweet orange-oil CAS-No. 68647-72-3

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:
Cleaner

Details of the supplier of the safety data sheet:

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Product Safety & Regulatory Affairs
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Ireland

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24 Hours Emergency Tel: +44 (0)1442 278497

2. Hazards identification

Classification of the substance or mixture:

Classification (CLP):

Flammable liquids Category 3

Flammable liquid and vapour.

Skin irritation Category 2

Causes skin irritation.

Skin sensitizer Category 1

May cause an allergic skin reaction.

Aspiration hazard Category 1

May be fatal if swallowed and enters airways.

Acute hazards to the aquatic environment Category 1

Very toxic to aquatic life.


Chronic hazards to the aquatic environment Category 1

Very toxic to aquatic life with long lasting effects.

Classification (DPD):

- R10 Flammable.
- Xn - Harmful
- R65 Harmful: may cause lung damage if swallowed.
- Xi - Irritant
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- N - Dangerous for the environment
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Label elements (CLP):

Hazard pictogram:	
Signal word:	Danger
Hazard statement:	H226 Flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H304 May be fatal if swallowed and enters airways. H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement:	P262 Do not get in eyes, on skin, or on clothing. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 IF SWALLOWED: P315 Get immediate medical advice/attention. P101 If medical advice is needed, have product container or label at hand. P273 Avoid release to the environment.

Label elements (DPD):

Xn - Harmful

N - Dangerous for the environment



Risk 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.
- R65 Harmful: may cause lung damage if swallowed.

Safety phrases:

- S36/37 Wear suitable protective clothing and gloves.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Contains:

Terpenes and Terpenoids, sweet orange-oil

3. Composition/information on ingredients

Base substances of preparation:

Orange terpenes

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

Hazardous components CAS-No.	EINECS REACH-Reg No.	content	Classification
Terpenes and Terpenoids, sweet orange-oil 68647-72-3		100 %	Flammable liquids 3 H226 Skin irritation 2 H315 Skin sensitizer 1 H317 Aspiration hazard 1 H304 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

Only dangerous ingredients for which a CLP classification is already available are displayed in this table.

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 DPD (EC) No 1999/45:

Hazardous components CAS-No.	EINECS REACH-Reg No.	content	Classification
Terpenes and Terpenoids, sweet orange-oil 68647-72-3		100 %	R10 Xn - Harmful; R65 Xi - Irritant; R38, R43 N - Dangerous for the environment; R50/53

For full text of the R-Phrases indicated by codes 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

The preparation does not contain any ingredients to be labelled according to this regulation.

4. First aid measures

Description of first aid measures:**General information:**

If adverse health effects develop seek medical attention.

Inhalation:

Fresh air, oxygen supply, warmth; seek specialist medical attention.

Skin contact:

Rinse immediately with plenty of running water (for 10 minutes), Remove all contaminated clothing and apply bandage. Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water, seek medical advice from a specialist.

Ingestion:

After ingestion or vomit: danger of product entering the lung.

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

Most important symptoms and effects, both acute and delayed:

No data available.

Indication of any immediate medical attention and special treatment needed:

Move to fresh air, consult doctor if complaint persists.

5. Firefighting measures

Extinguishing media:

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special hazards arising from the substance or mixture:

carbon oxides.

Advice for firefighters:

Wear self-contained breathing apparatus.

Wear protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Keep away from sources of ignition.

Avoid contact with skin and eyes.

Danger of slipping on spilled product.

See advice in chapter 8

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.

Methods and material for containment and cleaning up:

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

Dispose of contaminated material as waste according to Chapter 13.

7. Handling and storage

Precautions for safe handling:

Avoid skin-contact.

Avoid open flames and sources of ignition.

Hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

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.

Specific end use(s):

Cleaner

8. Exposure controls/personal protection

Control parameters:

None

Exposure controls:

Engineering controls:

Use only in well ventilated areas.
Avoid naked flames, sparking and sources of ignition.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

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 (IIR; ≥ 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 (IIR; ≥ 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.

Skin protection:

Wear protective equipment.
Protective clothing that covers arms and legs.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	liquid liquid colourless
Odor	characteristic
pH	No data available.
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
Decomposition temperature	No data available.
Vapour pressure (20 °C (68 °F))	2,3 mbar
Density (20 °C (68 °F))	0,846 g/cm ³
Bulk density	No data available.
Viscosity	No data available.
Viscosity (kinematic)	No data available.
Explosive properties	No data available.
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Solidification temperature	No data available.
Melting point	No data available.
Flammability	No data available.
Auto-ignition temperature	No data available.
Explosive limits	
lower	0,8 % (V)
upper	6,1 % (V)

Partition coefficient: n-octanol/water	No data available.
Evaporation rate	No data available.
Vapor density	No data available.
Oxidising properties	No data available.

Other information:

No data available.

10. Stability and reactivity

Reactivity:

None if used for intended purpose.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity
No decomposition if used according to specifications.

Conditions to avoid:

Heat, flames, sparks and other sources of ignition.

Hazardous decomposition products:

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) are released.

11. Toxicological information

General toxicological information:

Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Health hazard: may damage lungs if swallowed.

Skin irritation:

Primary skin irritation: irritating

Sensitizing:

May cause sensitization by skin contact.

12. Ecological information

General ecological information:

Very toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.
Do not empty into drains, soil or bodies of water.
Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Persistence and degradability:

Degradation of surfactants

Contains no ingredients mentioned in EC Detergent Regulation (EC/648/2004)

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Terpenes and Terpenoids, sweet orange-oil 68647-72-3	LC50	< 1 mg/l	Fish		Daphnia magna	OECD Guideline 203 (Fish, Acute Toxicity Test)
Terpenes and Terpenoids, sweet orange-oil 68647-72-3	EC50	< 1 mg/l	Daphnia			OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Terpenes and Terpenoids, sweet orange-oil 68647-72-3	EC50	< 1 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
Terpenes and Terpenoids, sweet orange-oil 68647-72-3	5,3				45 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

13. Disposal considerations

Waste treatment methods:

Product disposal:

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

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

14. Transport information

Road transport ADR:

Class: 3
 Packaging group: III
 Classification code: F1
 Hazard ident. number: 30
 UN no.: 2052
 Label: 3
 Technical name: DIPENTENE
 Tunnelcode: (D/E)
 Additional substance property: Environmentally Hazardous

Railroad transport RID:

Class: 3
 Packaging group: III
 Classification code: F1
 Hazard ident. number: 30
 UN no.: 2052
 Label: 3
 Technical name: DIPENTENE
 Tunnelcode:
 Additional substance property: Environmentally Hazardous

Inland water transport ADN:

Class: 3
Packaging group: III
Classification code: F1
Hazard ident. number:
UN no.: 2052
Label: 3
Technical name: DIPENTENE
Additional substance property: Environmentally Hazardous

Marine transport IMDG:

Class: 3
Packaging group: III
UN no.: 2052
Label: 3
EmS: F-E ,S-E
Seawater pollutant: Marine pollutant
Proper shipping name: DIPENTENE

Air transport IATA:

Class: 3
Packaging group: III
Packaging instructions (passenger) 309
Packaging instructions (cargo) 310
UN no.: 2052
Label: 3
Proper shipping name: Dipentene

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

VOC content 100 %
(VOCV 814.018 VOC regulation
CH)

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:

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.

R65 Harmful: may cause lung damage if swallowed.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Further information:

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.