

TECHNICAL **C**ONCEPTS

POLAR MIST TCELL

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 03/25/2015 Version: 1.0

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

1.1. Product identifier

Product name : POLAR MIST TCELL

Product code : 289160 SKU # : FG402111

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

Use of the substance/mixture : Air care products

For professional use only

Odour agents

1.3. Details of the supplier of the safety data sheet

Rubbermaid Commercial Products LLC 3124 Valley Avenue Winchester, VA 22601-2694 - USA T (540) 6678700 www.rubbermaidcommercial.com

1.4. Emergency telephone number

Emergency number : 24-Hour Emergency: INFOTRAC: 1-800535-5063

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 Asp. Tox. 1 H304

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)





GHS02

02 GHS07

GHS08

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : 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 H319 - Causes serious eye irritation

Precautionary statements (GHS-US) : P210 - Keep away from sources of ignition. - No smoking

P264 - Wash hands, forearms and face thoroughly after handling

P280 - Wear protective gloves

P301+P310 - If swallowed: Immediately call a doctor

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse

skin with water/shower

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
C9-12 ISO-ALKANES	(CAS No) 90622-57-4	20 - 50	Asp. Tox. 1, H304 Flam. Liq. 3, H226
LINALOOL	(CAS No) 78-70-6	10 - 20	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
LINALYL ACETATE	(CAS No) 115-95-7	1 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
MENTHOL	(CAS No) 2216-51-5	1 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
DIETHYL MALONATE	(CAS No) 105-53-3	1 - 10	Eye Irrit. 2A, H319
5-methyl-2-propan-2-ylcyclohexan-1-ol	(CAS No) 89-78-1	1 - 10	Skin Irrit. 2, H315
LIMONENE	(CAS No) 5989-27-5	0,1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
PINENES	(CAS No) 127-91-3	0,1 - 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
BETA-CARYOPHYLLENE	(CAS No) 87-44-5	< 0,1	Asp. Tox. 1, H304
OCIMENE - MAINLY 3,7-DIMETHYLOCTA 1,3,6-TRIENE	(CAS No) 13877-91-3	< 0,1	Asp. Tox. 1, H304
L-BETA-PINENE	(CAS No) 18172-67-3	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
ALPHA-PINENES	(CAS No) 80-56-8	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
MYRCENE	(CAS No) 123-35-3	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Asp. Tox. 1, H304
GAMMA-TERPINENE	(CAS No) 99-85-4	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Asp. Tox. 1, H304
TERPINOLENE	(CAS No) 586-62-9	< 0,1	Aquatic Chronic 2, H411 Asp. Tox. 1, H304
p-CYMENE	(CAS No) 99-87-6	< 0,1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Aquatic Chronic 2, H411 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1.	Description	of firet old	maggurag
4.1.	Describilion	OI III SE AIU	Illeasures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel

unwell, seek medical advice.

First-aid measures after skin contact : Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical

advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Explosion hazard : May form flammable/explosive vapour-air mixture.

Reactivity : Stable under normal conditions of use.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed

containers. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No

smoking.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store

away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling : Keep away from sources of ignition - No smoking. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Use only

non-sparking tools.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the

workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources.

Keep container tightly closed.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure c	SECTION 8: Exposure controls/personal protection		
8.1. Control parameters			
POLAR MIST TCELL			
ACGIH	Not applicable		
OSHA	Not applicable		
LINALOOL (78-70-6)			
ACGIH	Not applicable		
OSHA	Not applicable		
LINALYL ACETATE (115-95-	7)		
ACGIH	Not applicable		
OSHA	Not applicable		
MENTHOL (2216-51-5)			
ACGIH	Not applicable		
OSHA	Not applicable		
DIETHYL MALONATE (105-5	3-3)		
ACGIH	Not applicable		
OSHA	Not applicable		
5-methyl-2-propan-2-ylcyclo	hexan-1-ol (89-78-1)		
ACGIH	Not applicable		
OSHA	Not applicable		
LIMONENE (5989-27-5)			
ACGIH	Not applicable		
OSHA	Not applicable		
PINENES (127-91-3)			
ACGIH	Not applicable		
OSHA	Not applicable		
BETA-CARYOPHYLLENE (87	7-44-5)		
ACGIH	Not applicable		
OSHA	Not applicable		
OCIMENE - MAINI V 3 7-DIMI	ETHYLOCTA 1,3,6-TRIENE (13877-91-3)		
ACGIH	Not applicable		
OSHA	Not applicable		
ALPHA-PINENES (80-56-8)			
ACGIH	Not applicable		
OSHA	Not applicable		
L-BETA-PINENE (18172-67-3)			
ACGIH	Not applicable		
OSHA	Not applicable		
GAMMA-TERPINENE (99-85-	4)		
ACGIH	Not applicable		
OSHA	Not applicable		

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MYRCENE (123-35-3)	
ACGIH	Not applicable
OSHA	Not applicable
p-CYMENE (99-87-6)	
ACGIH	Not applicable
OSHA	Not applicable
TERPINOLENE (586-62-9)	
ACGIH	Not applicable
OSHA	Not applicable
C9-12 ISO-ALKANES (90622-	57-4)
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Oxidising properties

Explosive limits

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize mist and/or vapour

concentrations.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : In case of repeated or prolonged contact wear gloves.

Eye protection : None under normal use.

Respiratory protection : None under normal use.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear Transparent Liquid.
Colour : colourless to slightly yellow

Odour Codour threshold : characteristic
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available

Flash point : 59 °C

: No data available Auto-ignition temperature Decomposition temperature No data available Flammability (solid, gas) : No data available Vapour pressure No data available Relative vapour density at 20 °C : No data available 0.868 - 0.872 Relative density Solubility : No data available Log Pow : No data available Log Kow No data available Viscosity, kinematic $: < 6 \text{ mm}^2/\text{s}$ Viscosity, dynamic : No data available No data available Explosive properties

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: No data available

: No data available

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

The product is stable at normal handling and storage conditions. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agent.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. Organic compounds. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified

Reproductive toxicity : Not classified Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated

exposure)

: Not classified

Aspiration hazard : May be fatal if swallowed and enters airways.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

LINALOOL (78-70-6)	
LC50 fish 1	27,8 mg/l
EC50 other aquatic organisms 1	88,3 mg/l EC50 waterflea (48 h)

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LINALOOL (78-70-6)	
EC50 other aquatic organisms 2	20 mg/l IC50 algea (72 h) mg/l

ALPHA-PINENES (80-56-8)	
LC50 fish 1	0,28 mg/l
EC50 other aquatic organisms 2	1,44 mg/l IC50 algea (72 h) mg/l

12.2. Persistence and degradability

POLAR MIST TCELL	
Persistence and degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to an approved waste disposal plant.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14: Transport information

In accordance with DOT

Transport document description : UN1169 Extracts, aromatic, liquid, 3, III

UN-No.(DOT) : UN1169

Proper Shipping Name (DOT) : Extracts, aromatic, liquid

Transport hazard class(es) (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid

3

Packing group (DOT) : III - Minor Danger

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DOT Special Provisions (49 CFR 172.102)

: B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T2 - 1.5 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during

DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
DOT Packaging Bulk (49 CFR 173.xxx) : 242
DOT Quantity Limitations Passenger aircraft/rail : 60 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 220 L

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel.

Additional information

Other information : No supplementary information available.

ADR

Transport document description : UN 1169 EXTRACTS, AROMATIC, LIQUID, 3, III, (D/E)

Packing group (ADR) : III

Class (ADR) : 3 - Flammable liquid

Hazard identification number (Kemler No.) : 30
Classification code (ADR) : F1

Danger labels (ADR) : 3 - Flammable liquids



Orange plates

30 1169

Tunnel restriction code (ADR) : D/E LQ : 5I Excepted quantities (ADR) : E1

Transport by sea

UN-No. (IMDG) : 1169

Proper Shipping Name (IMDG) : EXTRACTS, AROMATIC, LIQUID

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : III - substances presenting low danger

Air transport

UN-No. (IATA) : 1169

Proper Shipping Name (IATA) : Extracts, aromatic, liquid Class (IATA) : 3 - Flammable Liquids Packing group (IATA) : III - Minor Danger

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SECTION 15: Regulatory information

15.1. US Federal regulations

LINALOOL (78-70-6)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LINALYL ACETATE (115-95-7)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

MENTHOL (2216-51-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

DIETHYL MALONATE (105-53-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

5-methyl-2-propan-2-ylcyclohexan-1-ol (89-78-1)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

LIMONENE (5989-27-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PINENES (127-91-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

BETA-CARYOPHYLLENE (87-44-5)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

OCIMENE - MAINLY 3,7-DIMETHYLOCTA 1,3,6-TRIENE (13877-91-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

ALPHA-PINENES (80-56-8)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

L-BETA-PINENE (18172-67-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

GAMMA-TERPINENE (99-85-4)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

MYRCENE (123-35-3)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

p-CYMENE (99-87-6)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

TERPINOLENE (586-62-9)

Not listed on the United States SARA Section 313

Listed on the United States TSCA (Toxic Substances Control Act) inventory

C9-12 ISO-ALKANES (90622-57-4)

Not listed on the United States SARA Section 313

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

No additional information available

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EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Skin Sens. 1 H317 Asp. Tox. 1 H304 Aquatic Chronic 2 H411

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

15.3. US State regulations

ALPHA-PINENES (80-56-8)

U.S. -New York - RTK list Hazardous Substances

TERPINOLENE (586-62-9)

U.S. -New York - RTK list Hazardous Substances

SECTION 16: Other information

Data sources

Other information

- : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- : REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

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Full text of H-phrases:

Hazardous to the aquatic environment — Acute Hazard, Category 1
Hazardous to the aquatic environment — Chronic Hazard, Category 1
Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aspiration hazard, Category 1
Serious eye damage/eye irritation, Category 2A
Flammable liquids, Category 3
Skin corrosion/irritation, Category 2
Sensitisation — Skin, category 1
Flammable liquid and vapour
May be fatal if swallowed and enters airways
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Very toxic to aquatic life
Very toxic to aquatic life with long lasting effects
Toxic to aquatic life with long lasting effects

SDS US GHS HazCom 2012 newell

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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