



MANGO CirculAir 90

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 4/1/2015 Revision date: 10/9/2025 Version: 1.0

SECTION 1 Identification

1.1. Product identifier

Product name : MANGO CirculAir 90
Product code : 108229
SKU # : FG402369

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : For professional use only, Air care products, Odour agents
Recommended use : Air care products, Odour agents
Restrictions on use : Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

1.4. Supplier's details

Supplier

Rubbermaid Commercial Products LLC
3124 Valley Avenue
Winchester, VA 22601-2694
USA
T 1.800.347.9800
www.rubbermaidcommercial.com

Other

Rubbermaid Commercial Products LLC
20 Hereford Street
Brampton, ON L6Y 0M1
Canada
T 1.800.998.7004

1.5. Emergency phone number

Emergency number : 24-Hour Emergency - INFOTRAC: 1-800-535-5053 (Domestic) | 1-352-323-3500 (International)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

GHS-US classification

Flammable liquid, Category 4	H227	Combustible liquid.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2	H319	Causes serious eye irritation.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Reproductive toxicity, Category 2	H361	Suspected of damaging fertility or the unborn child.

Full text of H-statements: see section 16

2.2. Label elements

GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H227 - Combustible liquid
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

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Precautionary statements (GHS US)

H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child.
: P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective gloves.
P302+P352 - If on skin: Wash with plenty of soap and water.
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 attention.
P337+P313 - If eye irritation persists: Get medical attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P370+P378 - In case of fire: Use appropriate media to extinguish.
P403 - Store in a well-ventilated place.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
LINALOOL	CAS-No.: 78-70-6	20 – 50	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
CITRONELLOL	CAS-No.: 106-22-9	1 – 10	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411
LIMONENE	CAS-No.: 138-86-3	1 – 10	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ALPHA-TERPINEOL	CAS-No.: 98-55-5	1 – 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
GERANIOL	CAS-No.: 106-24-1	1 – 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317

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Name	Product identifier	%	GHS-US classification
DELTA-DAMASCONE	CAS-No.: 57378-68-4	0.1 – 1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE	CAS-No.: 68039-49-6	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412
ISOBUTENYL METHYLTETRAHYDROPYRAN	CAS-No.: 16409-43-1	0.1 – 1	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 2, H361 Aquatic Chronic 3, H412

Full text of hazard classes and H-statements : see section 16

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

- 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 person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice. Allow affected person to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Wash with plenty of water/.... Wash contaminated clothing before reuse. Get medical advice if skin irritation persists.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2. Most important symptoms/effects, acute and delayed

- Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/effects after inhalation : None under normal use. May cause an allergic skin reaction.
- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.
- Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Carbon monoxide. Organic compounds.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

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

6.2. Methods and materials 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. Collect spillage. Store away from other materials.

See Section 8, Exposure controls and personal protection

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

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 incompatibilities

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

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

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USA - OSHA - Occupational Exposure Limits

Local name	Dipropylene glycol methyl ether
OSHA PEL TWA	600 mg/m ³
	100 ppm

8.2. Appropriate engineering controls

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

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8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
Wear protective 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. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Transparent. clear.
Colour	: colourless to slightly yellow
Odour	: characteristic
Odour threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 63 °C (62°C)
Flammability (solid, gas)	: Combustible liquid.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: 0.841 – 0.845
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 7 mm ² /s
Explosive limits	: No data available
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

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. Not established.

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10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Oxidizing agent. Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

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LD50 oral rat	9108.18 mg/kg
LD50 dermal rat	5340.7 mg/kg
ATE US (oral)	9108.18 mg/kg bodyweight
ATE US (dermal)	5340.7 mg/kg bodyweight

LINALOOL (78-70-6)

LD50 oral	2790 mg/kg bodyweight
LD50 dermal	5610 mg/kg bodyweight

CITRONELLOL (106-22-9)

LD50 oral	3450 mg/kg bodyweight
LD50 dermal	2650 mg/kg bodyweight

GERANIOL (106-24-1)

LD50 oral	2100 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight

2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)

LD50 oral rat	4000 mg/kg
LD50 oral	2830 mg/kg
LD50 dermal	> 2000 mg/kg bodyweight
ATE US (oral)	4000 mg/kg bodyweight

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

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Carcinogenicity : Not classified

LIMONENE (138-86-3)	
IARC group	3 - Not classifiable

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

MANGO CirculAir 90	
Viscosity, kinematic	< 7 mm ² /s

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects after inhalation : None under normal use. May cause an allergic skin reaction.

Symptoms/effects after skin contact : Causes skin irritation.

Symptoms/effects after eye contact : Causes serious eye irritation.

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

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

LINALOOL (78-70-6)	
LC50 - Fish [1]	27.8 mg/l
EC50 - Other aquatic organisms [1]	20 mg/l waterflea
EC50 - Other aquatic organisms [2]	88.3 mg/l

CITRONELLOL (106-22-9)	
LC50 - Fish [1]	10 mg/l
EC50 - Other aquatic organisms [1]	17.48 mg/l waterflea
EC50 - Other aquatic organisms [2]	2.38 mg/l

GERANIOL (106-24-1)	
LC50 - Fish [1]	22 mg/l
EC50 - Other aquatic organisms [1]	10.8 mg/l waterflea
EC50 - Other aquatic organisms [2]	13.1 mg/l

12.2. Persistence and degradability

MANGO CirculAir 90	
Persistence and degradability	May cause long-term adverse effects in the environment.

LINALOOL (78-70-6)	
Persistence and degradability	Rapidly degradable

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CITRONELLOL (106-22-9)	
Persistence and degradability	Rapidly degradable
ALPHA-TERPINEOL (98-55-5)	
Persistence and degradability	Rapidly degradable
GERANIOL (106-24-1)	
Persistence and degradability	Rapidly degradable
DELTA-DAMASCONONE (57378-68-4)	
Persistence and degradability	Rapidly degradable
2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)	
Persistence and degradability	Rapidly degradable
ISOBUTENYL METHYLTETRAHYDROPYRAN (16409-43-1)	
Persistence and degradability	Rapidly degradable
LIMONENE (138-86-3)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

MANGO CirculAir 90	
Bioaccumulative potential	Not established.
LINALOOL (78-70-6)	
Partition coefficient n-octanol/water (Log Pow)	2.84
CITRONELLOL (106-22-9)	
Partition coefficient n-octanol/water (Log Pow)	3.1
GERANIOL (106-24-1)	
Partition coefficient n-octanol/water (Log Pow)	3.5
2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)	
Partition coefficient n-octanol/water (Log Pow)	2.7

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone	: Not classified
Effect on the ozone layer	: None to our knowledge
Effect on global warming	: No known effects from this product.
Fluorinated greenhouse gases	: No
Other information	: Avoid release to the environment.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
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Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Ecological waste information	: Avoid release to the environment. Hazardous waste due to toxicity.

SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN Number

UN-No. (DOT)	: Not applicable
UN-No. (TDG)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: Not applicable
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TDG

Transport hazard class(es) (TDG)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG)	: 3
Danger labels (IMDG)	: 3



IATA

Transport hazard class(es) (IATA)	: 3
Danger labels (IATA)	: 3



14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Transport in bulk

IBC code	: Applicable.
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14.7. Special precautions for user

DOT

Not applicable

TDG

Not applicable

IMDG

Special provisions (IMDG) : 223, 955
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage) : S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG) : A
Properties and observations (IMDG) : Usually consist of alcoholic solutions. Miscibility with water depends upon the composition.

IATA

Special provisions (IATA) : A3
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
ERG code (IATA) : 3L

SECTION 15 Regulatory information

15.1. Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
LINALOOL	78-70-6	Present	Active	
CITRONELLOL	106-22-9	Present	Active	
ALPHA-TERPINEOL	98-55-5	Present	Active	
GERANIOL	106-24-1	Present	Active	
DELTA-DAMASCONE	57378-68-4	Present	Active	
2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE	68039-49-6	Present	Active	
ISOBUTENYL METHYLTETRAHYDROPYRAN	16409-43-1	Present	Active	
LIMONENE	138-86-3	Present	Active	

ALPHA-TERPINEOL (98-55-5)

Not subject to reporting requirements of the United States SARA Section 313

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15.2. International regulations

CANADA

LINALOOL (78-70-6)

Listed on the Canadian DSL (Domestic Substances List)

CITRONELLOL (106-22-9)

Listed on the Canadian DSL (Domestic Substances List)

GERANIOL (106-24-1)

Listed on the Canadian DSL (Domestic Substances List)

DELTA-DAMASCONE (57378-68-4)

Listed on the Canadian DSL (Domestic Substances List)

2,4-DIMETHYL-3-CYCLOHEXENE CARBOXALDEHYDE (68039-49-6)

Listed on the Canadian DSL (Domestic Substances List)

ISOBUTENYL METHYLTETRAHYDROPYRAN (16409-43-1)

Listed on the Canadian DSL (Domestic Substances List)

LIMONENE (138-86-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. State regulations

No additional information available

SECTION 16 Other Information

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Revision date : 10/9/2025

Issue date : 4/1/2015

Data sources : 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.

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Other information

: 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. None.

Full text of hazard classes and H-statements	
H226	Flammable liquid and vapour
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child.
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
H412	Harmful to aquatic life with long lasting effects

Indication of changes:		
Section	Changed item	Comments
	Revision date	Added
	Precautionary statements (GHS US)	Modified
1	Name	Modified Name change to CirculAir
1	Name	Modified
3	Composition/information on ingredients	Modified
9	Relative density	Modified

Safety Data Sheet (SDS), USA

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.