

SAFETY DATA SHEET

KIMCARE® MICROMIST® Citrus Splash

Version 1.7 Revision Date: 19.09.2018 SDS Number: 100000006715 Date of last issue: 06.09.2018
Date of first issue: 30.08.2016

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KIMCARE® MICROMIST® Citrus Splash
Product code : 6891

Manufacturer or supplier's details

Recommended use of the chemical and restrictions on use

Company : Kimberly-Clark Australia Pty. Limited
52 Alfred Street, Milsons Point
Sydney
2061
Australia
Telephone : +61 1800-647-994
Telefax : +61 2-9957-5687
E-mail address Responsible/issuing person : sdscontact@kcc.com

Emergency telephone number

: 131126

Recommended use : Spraying
Aircare

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable aerosols : Category 1
Serious eye damage/eye irritation : Category 2A

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.
H319 Causes serious eye irritation.

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Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.

Response:
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.

Storage:
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture
Chemical nature : Formulated product

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Ethanol	64-17-5	>= 10 - < 30
orange oil	8008-57-9	>= 10 - < 30
Hexylene Glycol	107-41-5	< 10
decanal	112-31-2	< 10
Citral	5392-40-5	< 10
dodecanal	112-54-9	< 10

SECTION 4. FIRST AID MEASURES

General advice : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

If inhaled : Move to fresh air in case of accidental inhalation of vapours.

In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
Wash skin thoroughly with soap and water or use recognized

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- skin cleanser.
Wash contaminated clothing before reuse.
- In case of eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If easy to do, remove contact lens, if worn.
- If swallowed : Rinse mouth.
Do NOT induce vomiting.
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : Causes serious eye irritation.
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SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Water spray
Sand
Dry powder
Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during fire-fighting : No special precautions required.
- Hazardous combustion products : No hazardous combustion products are known
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Not required under normal use.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local
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/ national regulations (see section 13).
Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area.
Keep away from fire, sparks and heated surfaces.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.
Do not ingest.
For personal protection see section 8.
- Hygiene measures : Do not smoke.
- Conditions for safe storage : Keep containers tightly closed in a cool, well-ventilated place.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,880 mg/m ³	AU OEL
orange oil	8008-57-9	TWA (Mist)	10 mg/m ³	AU OEL
Hexylene Glycol	107-41-5	Peak limit	25 ppm 121 mg/m ³	AU OEL

Engineering measures : none

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Particulates type

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Not required under normal use.

Skin and body protection : Not required under normal use.

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Protective measures : When using do not eat, drink or smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aerosol containing a liquefied gas

Colour : colourless, light yellow

Odour : characteristic

Odour Threshold : No data available

pH : Not applicable

Melting point/range : Not applicable No data available

: Not applicable

Flash point : Not applicable

Evaporation rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : 4.5 - 5.5 bar

Relative density : 0.7

Density : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity
Viscosity, kinematic : No data available

Flow time : No data available

Explosive properties : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

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Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No hazards to be specially mentioned.

Conditions to avoid : Extremes of temperature and direct sunlight.
Heat, flames and sparks.

Incompatible materials : Incompatible with strong acids and bases.
Oxidizing agents

Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Exposure routes : Inhalation

Acute toxicity

Not classified based on available information.

Components:

Ethanol:

Acute oral toxicity : LD50 (Rat, male and female): 10,470 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): 124.7 mg/l
Method: OECD Test Guideline 403
GLP: no

orange oil:

Acute oral toxicity : LD50 Oral (Rat, male): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 Dermal (Rabbit, female): > 5,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Hexylene Glycol:

Acute oral toxicity : LD50 Oral (Rat, male and female): > 2,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 2000 ml/kg

Citral:

Acute oral toxicity : LD50 Oral (Rat, male and female): 6,800 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg

dodecanal:

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Acute oral toxicity : LD50 Oral (Rat, male and female): 23,100 mg/kg
GLP: no

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 2,000 mg/kg
Method: Acute toxicity estimate
GLP: no

Skin corrosion/irritation

Not classified based on available information.

Product:

Remarks: Moderate skin irritation

Components:

Ethanol:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes

orange oil:

Species: Rabbit
Method: OECD Test Guideline 404
Result: Skin irritation
GLP: yes

Hexylene Glycol:

Species: Rabbit
Result: Skin irritation

decanal:

Species: Rabbit
Result: No skin irritation

Citral:

Assessment: Irritating to skin.

dodecanal:

Species: Rabbit
Exposure time: 24 h
Result: Skin irritation
GLP: no

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: May irritate eyes.

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Components:

Ethanol:

Species: Rabbit
Result: Irritation to eyes, reversing within 21 days
Method: OECD Test Guideline 405
GLP: no

orange oil:

Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
GLP: yes

Hexylene Glycol:

Species: Rabbit
Result: Mild eye irritation

decanal:

Species: Rabbit
Result: Eye irritation

Citral:

Result: Eye irritation

dodecanal:

Species: Rabbit
Result: Eye irritation
Method: Draize Test
GLP: no

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks: Based on available data, the classification criteria are not met.

Components:

Ethanol:

Species: Mouse
Assessment: Does not cause skin sensitisation.
Method: OECD Test Guideline 429
Result: Did not cause sensitisation on laboratory animals.
GLP: no

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orange oil:

Species: Mouse
Method: OECD Test Guideline 429
Result: May cause sensitisation by skin contact.
GLP: yes

Hexylene Glycol:

Species: Guinea pig
Assessment: Does not cause skin sensitisation.
Result: Did not cause sensitisation on laboratory animals.

decanal:

Species: Humans
Result: Does not cause skin sensitisation.

Citral:

Result: The product is a skin sensitiser, sub-category 1B.

dodecanal:

Species: Mouse
Method: OECD Test Guideline 429
Result: The product is a skin sensitiser, sub-category 1B.
GLP: yes

Chronic toxicity

Germ cell mutagenicity

Not classified based on available information.

Product:

Germ cell mutagenicity - Assessment : No information available.

Carcinogenicity

Not classified based on available information.

Product:

Carcinogenicity - Assessment : No information available.

Reproductive toxicity

Not classified based on available information.

Product:

Reproductive toxicity - Assessment : No information available.

STOT - single exposure

Not classified based on available information.

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Product:

Remarks: No data available

STOT - repeated exposure

Not classified based on available information.

Product:

Remarks: No data available

Aspiration toxicity

Not classified based on available information.

Product:

No data available

Components:

orange oil:

May be fatal if swallowed and enters airways.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Ethanol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14,200 mg/l
Exposure time: 96 h
Test Type: flow-through test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l
Exposure time: 48 h
Test Type: static test

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 275 mg/l
Exposure time: 72 h
Test Type: static test

orange oil:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.62 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: no

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 1.5 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

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GLP: no

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Hexylene Glycol:

Toxicity to fish : LC50: 8,690 mg/l
Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates : EC50: 16,500 mg/l
Exposure time: 48 h
Toxicity to algae : EC50: > 429 mg/l
Exposure time: 72 h

decanal:

Toxicity to fish : LC50: 2.1 mg/l
Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates : EC50: 1.94 mg/l
Exposure time: 48 h
Toxicity to algae : EC50: 4.5 mg/l
Exposure time: 72 h

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Citral:

Toxicity to fish : LC50: 6.78 mg/l
Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 6.8 mg/l
Exposure time: 48 h
Toxicity to algae : EC50: 6.8 mg/l
Exposure time: 48 h

dodecanal:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.6 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203
GLP: yes
Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.27 mg/l
Exposure time: 48 h
Test Type: semi-static test

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Method: OECD Test Guideline 202

GLP: yes

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 0.048 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

Persistence and degradability

Components:

decanal:

Biodegradability : Result: Readily biodegradable.

Citral:

Biodegradability : Result: Readily biodegradable.

dodecanal:

Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

Components:

orange oil:

Partition coefficient: n-octanol/water : log Pow: 2.78 - 4.88

Hexylene Glycol:

Partition coefficient: n-octanol/water : log Pow: < -0.14

decanal:

Partition coefficient: n-octanol/water : log Pow: 3.760

dodecanal:

Partition coefficient: n-octanol/water : log Pow: 4.9 (35 °C)

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Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.
Contaminated packaging : Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1

IATA-DGR

UN/ID No. : UN 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
Packing group : Not assigned by regulation

IMDG-Code

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

ADG

UN number : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Packing group : Not assigned by regulation
Labels : 2.1

SECTION 15. REGULATORY INFORMATION

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

Standard for the Uniform : Schedule 6

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Scheduling of Medicines and Poisons

Prohibition/Licensing Requirements : There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Date format : dd.mm.yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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