SAFETY DATA SHEET

Scott® Essential Continuous Air Freshener, Citrus Scent

Version	Revision Date:	SDS Number:	Date of last issue: 01-30-2020
1.1	02-26-2020	N00109106702	Date of first issue: 01-30-2020

SECTION 1. IDENTIFICATION

Product name : Scott® Essential Continuous Air Freshener, Citrus Scent

Product code : 91067

Manufacturer or supplier's details

Company : Kimberly-Clark Corporation
1400 Holcomb Bridge Road
Roswell
30076-2199
USA

Telephone : 1-888-346-4652

Emergency telephone : 1-877-561-6587

Transport Emergency : CHEMTREC: 1-800-424-9300

E-mail address Responsible/issuing person : sdscontact@kcc.com

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

Aspiration hazard : Category 1

Other hazards

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 5 %

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture
Cosmetics

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Dipropylene glycol methyl ether	34590-94-8	>= 50 - < 70
3,7-dimethyloctan-3-ol	78-69-3	>= 50 - < 70
decanal	112-31-2	>= 10 - < 20

Butanoic acid, 3-methyl-, ethyl ester	108-64-5	>= 5 - < 10
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6	>= 5 - < 10
benzyl acetate	140-11-4	>= 5 - < 10
Octanal	124-13-0	>= 5 - < 10
allyl hexanoate	123-68-2	>= 1 - < 5
Hexanal	66-25-1	>= 1 - < 5
Hexylalcohol	111-27-3	>= 1 - < 5
Undecanal	112-44-7	>= 1 - < 5
Heptanal	111-71-7	>= 1 - < 5
cis-hex-3-en-1-ol	928-96-1	>= 1 - < 5
2-phenylethanol	60-12-8	>= 1 - < 5
Citral	5392-40-5	>= 1 - < 5
citronellol	106-22-9	>= 1 - < 5
dodecanal	112-54-9	>= 1 - < 5
isopentyl acetate	123-92-2	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

General advice	:	No hazards which require special first aid measures.
If inhaled	:	Not required under normal use.
In case of skin contact	:	Not required under normal use.
In case of eye contact	:	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	:	Not required under normal use.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	No hazards which require special first aid measures.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	Do NOT use water jet.
Specific hazards during fire fighting	:	Highly flammable liquid and vapor.
Hazardous combustion products	:	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Further information	:	Standard procedure for chemical fires.
Special protective equipment for fire-fighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Ensure adequate ventilation. Remove all sources of ignition.
Environmental precautions	:	Prevent product from entering drains.
Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	:	No special handling advice required. For personal protection see section 8.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Dipropylene glycol methyl ether	34590-94-8	TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
		TWA	100 ppm 600 mg/m3	OSHA Z-1
		TWA	100 ppm 600 mg/m3	OSHA P0
		STEL	150 ppm 900 mg/m3	OSHA P0
		TWA	100 ppm 600 mg/m3	NIOSH REL
		ST	150 ppm 900 mg/m3	NIOSH REL
benzyl acetate	140-11-4	TWA	10 ppm	ACGIH
Hexylalcohol	111-27-3	TWA	40 ppm	US WEEL
Citral	5392-40-5	TWA (Inhalable fraction and	5 ppm	ACGIH

		vapor)		
isopentyl acetate	123-92-2	TWA	100 ppm 525 mg/m3	OSHA Z-1
		TWA	100 ppm 525 mg/m3	OSHA P0
		TWA	100 ppm 525 mg/m3	NIOSH REL
		TWA	50 ppm	ACGIH
		STEL	100 ppm	ACGIH

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

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.

Protective measures : No special protective equipment required.

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : No information available.

Odor : No information available.

Odor Threshold : No information available.

Melting point/freezing point :

Boiling point/boiling range :

Flash point : 63 °C

Evaporation rate : No information available.

Relative vapor density : No information available.

Relative density : 0.885 - 0.889 (20 °C)

Solubility(ies)
Water solubility : No information available.

Partition coefficient: n-octanol/water : No information available.

Viscosity
Viscosity, kinematic : No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No hazards to be specially mentioned.
Conditions to avoid	:	Heat.
Incompatible materials	:	Strong acids and oxidizing agents
Hazardous decomposition products	:	Stable under recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 200 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Components:

Dipropylene glycol methyl ether:

Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg

3,7-dimethyloctan-3-ol:

Acute oral toxicity	:	LD50 Oral (Rat, male and female): 8,270 mg/kg
Acute dermal toxicity	:	LD50 Dermal (Rabbit): > 5,000 mg/kg

benzyl acetate:

Acute oral toxicity	:	LD50 Oral (Rat, male and female): > 2,000 mg/kg Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5,000 mg/kg

Octanal:

Acute oral toxicity : LD50 Oral (Rat, male): 4,617 mg/kg
Method: Acute toxicity estimate
GLP: no

Acute inhalation toxicity : LC50 (Rat, males): > 830 mg/m3
Exposure time: 8 h
Method: Acute toxicity estimate
GLP: no

Acute dermal toxicity : LD50 Dermal (Rabbit, males): 5,207 mg/kg
Method: Acute toxicity estimate
GLP: no

allyl hexanoate:

Acute oral toxicity : LD50 Oral (Rat, male and female): 280 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 Dermal (Rabbit): 820 mg/kg
Method: OECD Test Guideline 402
GLP: no

Hexylalcohol:

Acute oral toxicity : LD50 (Rat, male and female): 3,210 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 (Rabbit, male and female): 1,500 - 2,000 mg/kg
Method: OECD Test Guideline 402

Undecanal:

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Heptanal:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401

cis-hex-3-en-1-ol:

Acute oral toxicity : LD50 Oral (Rat, male and female): 4,615 mg/kg
Method: No information available.
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): > 4.99 mg/l

Method: OECD Test Guideline 436
GLP: yes

2-phenylethanol:

Acute oral toxicity : LD50 Oral (Rat, male and female): 1,603 mg/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:

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

isopentyl acetate:

Acute oral toxicity : LD50 Oral (Rabbit): 7,400 mg/kg

Skin corrosion/irritation

Components:

Dipropylene glycol methyl ether:

Result: No skin irritation

3,7-dimethyloctan-3-ol:

Assessment: Irritating to skin.

decanal:

Species: Rabbit
Result: No skin irritation

Butanoic acid, 3-methyl-, ethyl ester:

Assessment: Irritating to skin.

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Assessment: Irritating to skin.

benzyl acetate:

Species: Rabbit
Method: Directive 67/548/EEC, Annex V, B.4.
Result: No skin irritation

GLP: yes

Octanal:

Species: Rabbit
Method: Directive 67/548/EEC, Annex V, B.4.
Result: Irritating to skin.
GLP: yes

allyl hexanoate:

Species: reconstructed human epidermis (RhE)
Method: EPISKIN Human Skin Model Test
Result: No skin irritation
GLP: yes

Hexylalcohol:

Species: Rabbit
Result: Mild skin irritation

Undecanal:

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

Heptanal:

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

cis-hex-3-en-1-ol:

Species: Rabbit
Method: No information available.
Result: No skin irritation
GLP: no

2-phenylethanol:

Species: Rabbit
Exposure time: 4 h
Assessment: No skin irritation
Result: No skin irritation
GLP: yes

Citral:

Assessment: Irritating to skin.

citronellol:

Species: Rabbit

Result: Skin irritation

dodecanal:

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

isopentyl acetate:

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

Serious eye damage/eye irritation

Components:

Dipropylene glycol methyl ether:

Result: No eye irritation

3,7-dimethyloctan-3-ol:

Species: Rabbit
Result: Eye irritation

decanal:

Species: Rabbit
Result: Eye irritation

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Assessment: Irritating to eyes.

benzyl acetate:

Species: Rabbit
Result: No eye irritation
Method: Directive 67/548/EEC, Annex V, B.5.
GLP: yes

Octanal:

Species: Rabbit
Result: Eye irritation
Method: Directive 67/548/EEC, Annex V, B.5.
GLP: yes

allyl hexanoate:

Species: Rabbit
Result: No eye irritation

Method: OECD Test Guideline 405
GLP: yes

Hexanal:

Result: Eye irritation

Hexylalcohol:

Species: Rabbit
Result: Eye irritation
Method: OECD Test Guideline 405
GLP: yes

Undecanal:

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

Heptanal:

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

cis-hex-3-en-1-ol:

Result: Eye irritation
Method: No information available.
GLP: yes

2-phenylethanol:

Species: Rabbit
Result: Eye irritation

Citral:

Result: Eye irritation

citronellol:

Species: Rabbit
Result: Eye irritation

dodecanal:

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

isopentyl acetate:

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

Respiratory or skin sensitization

Components:

Dipropylene glycol methyl ether:

Result: Did not cause sensitization on laboratory animals.

3,7-dimethyloctan-3-ol:

Species: Guinea pig
Result: Did not cause sensitization on laboratory animals.

decanal:

Species: Humans
Result: Does not cause skin sensitization.

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Assessment: The product is a skin sensitizer, sub-category 1B.

benzyl acetate:

Species: Guinea pig
Result: Causes sensitization.

Octanal:

Test Type: Freund's complete adjuvant test
Species: Guinea pig
Method: No information available.
Result: Did not cause sensitization on laboratory animals.
GLP: No information available.

allyl hexanoate:

Test Type: Maximization Test
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Did not cause sensitization on laboratory animals.
GLP: yes

Hexylalcohol:

Species: Guinea pig
Result: Did not cause sensitization on laboratory animals.

Heptanal:

Species: Guinea pig
Method: OECD Test Guideline 406
Result: Did not cause sensitization on laboratory animals.

cis-hex-3-en-1-ol:

Species: Mouse
Method: OECD Test Guideline 429
Result: Did not cause sensitization on laboratory animals.
GLP: yes

2-phenylethanol:

Species: Mouse
Result: Does not cause skin sensitization.
GLP: yes

Citral:

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

citronellol:

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

dodecanal:

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

isopentyl acetate:

Species: Guinea pig
Method: OECD Test Guideline 406
Result: Did not cause sensitization on laboratory animals.
GLP: no

Carcinogenicity

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Dipropylene glycol methyl ether:

Toxicity to fish	:	LC50: > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50: > 1,000 mg/l Exposure time: 96 h
Toxicity to algae	:	NOEC: 969 mg/l Exposure time: 72 h

3,7-dimethyloctan-3-ol:

Toxicity to fish	:	LC50: 8.9 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50: 14.2 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50: 21.6 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.

2,4-dimethylcyclohex-3-ene-1-carbaldehyde:

Ecotoxicology Assessment

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

benzyl acetate:

Toxicity to fish	:	LC50 (Oryzias latipes (Japanese medaka)): 4 mg/l Exposure time: 96 h Test Type: flow-through test Method: see user defined free text

GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 17 mg/l
Exposure time: 48 h
Test Type: semi-static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 110 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

Toxicity to fish (Chronic toxicity) : 1.33 mg/l
Exposure time: 28 d

Ecotoxicology Assessment

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

Octanal:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1.54 mg/l
Exposure time: 48 h
Test Type: flow-through test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 4.5 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

allyl hexanoate:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 0.117 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)): 2 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 4.6 mg/l
Exposure time: 72 h
Test Type: static test
Method: OECD Test Guideline 201

GLP: yes

Ecotoxicology Assessment

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

Hexylalcohol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 97.2 - 97.5 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 201 mg/l
Exposure time: 24 h
GLP: no

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 79.7 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 6.8 - 13 mg/l
Exposure time: 21 d

Undecanal:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 6 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.85 mg/l
Exposure time: 48 h
GLP: no

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 4.37 mg/l
Exposure time: 72 h
GLP: no

Heptanal:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 12 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.99 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 2.9 mg/l
Exposure time: 72 h

Method: OECD Test Guideline 201
GLP: yes

cis-hex-3-en-1-ol:

Toxicity to fish	:	LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 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)): > 100 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: yes
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (green algae)): > 76 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes

2-phenylethanol:

Toxicity to fish	:	LC50: > 215 mg/l Exposure time: 96 h NOEC: 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50: 287.17 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50: 1,300 mg/l Exposure time: 72 h

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

citronellol:

Toxicity to fish	:	LC50: 14.66 mg/l Exposure time: 96 h
Toxicity to daphnia and other	:	EC50: 17.48 mg/l

aquatic invertebrates — Exposure time: 48 h

Toxicity to algae : EC50: 2.4 mg/l
Exposure time: 72 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
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.

isopentyl acetate:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): 22 - 46 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus (Water flea)): 42 mg/l
Exposure time: 48 h
Test Type: Immobilization

Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 201
GLP: yes

Persistence and degradability

Components:

3,7-dimethyloctan-3-ol:

Biodegradability : Result: Readily biodegradable.

decanal:
Biodegradability : Result: Readily biodegradable.

Hexylalcohol:
Biodegradability : Result: Readily biodegradable.

Undecanal:
Biodegradability : Result: Readily biodegradable.

Heptanal:
Biodegradability : Result: Readily biodegradable.

cis-hex-3-en-1-ol:
Biodegradability : Result: Readily biodegradable.

Citral:
Biodegradability : Result: Readily biodegradable.

citronellol:
Biodegradability : Result: Readily biodegradable.

dodecanal:
Biodegradability : Result: Readily biodegradable.

isopentyl acetate:
Biodegradability : Result: Readily biodegradable.

Bioaccumulative potential

Components:

Dipropylene glycol methyl ether:
Partition coefficient: n-octanol/water : log Pow: -0.064

3,7-dimethyloctan-3-ol:
Partition coefficient: n-octanol/water : log Pow: 3.6

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

benzyl acetate:

Bioaccumulation : Bioconcentration factor (BCF): 8

Partition coefficient: n-octanol/water : log Pow: 1.96

Octanal:

Partition coefficient: n-octanol/water : log Pow: 3.5

allyl hexanoate:

Partition coefficient: n-octanol/water : log Pow: 3.191

Hexylalcohol:

Partition coefficient: n-octanol/water : log Pow: 1.8

Undecanal:

Partition coefficient: n-octanol/water : log Pow: 3.84

Heptanal:

Partition coefficient: n-octanol/water : log Pow: 2.8

cis-hex-3-en-1-ol:

Partition coefficient: n-octanol/water : log Pow: 1

2-phenylethanol:

Partition coefficient: n-octanol/water : log Pow: 1.38

citronellol:

Partition coefficient: n-octanol/water : log Pow: 3.55 (25 °C)

dodecanal:

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

isopentyl acetate:

Partition coefficient: n-octanol/water : log Pow: 2.7

Mobility in soil

No data available

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG
Not regulated as a dangerous good

IATA-DGR
Not regulated as a dangerous good

IMDG-Code
Not regulated as a dangerous good

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

Not applicable for product as supplied.

Domestic regulation

49 CFR
Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
	123-92-2	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Flammable (gases, aerosols, liquids, or solids)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Aspiration hazard

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

isopentyl acetate	123-92-2	%

Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

isopentyl acetate	123-92-2	%

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.
This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know

Dipropylene glycol methyl ether	34590-94-8
Octanal	124-13-0
Hexanal	66-25-1
ethyl butyrate	105-54-4
isopentyl acetate	123-92-2

Pennsylvania Right To Know

Dipropylene glycol methyl ether	34590-94-8
3,7-dimethyloctan-3-ol	78-69-3
alkanes, C9-12-iso-	90622-57-4
decanal	112-31-2
Butanoic acid, 3-methyl-, ethyl ester	108-64-5
1-phenylethyl acetate	93-92-5
2,4-dimethylcyclohex-3-ene-1-carbaldehyde	68039-49-6
benzyl acetate	140-11-4
ethyl 2-methylbutyrate	7452-79-1

Octanal	124-13-0
Hexanal	66-25-1
Hexylalcohol	111-27-3
cis-hex-3-en-1-ol	928-96-1
ethyl butyrate	105-54-4
isopentyl acetate	123-92-2

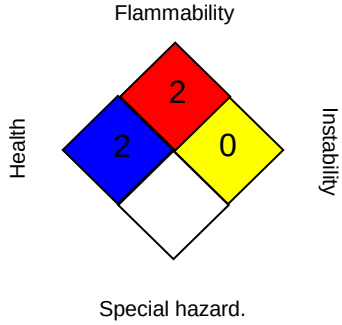
SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

Further information

NFPA:



HMIS III:

HEALTH	3
FLAMMABILITY	2
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Revision Date : 02-26-2020

The information provided in this Material 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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