

Safety Data Sheet

according to OSHA Hazard Communication Standard

Date of issue: 10/08/2024

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Version: 0

SECTION 1: Identification

1.1. Product name

Product name 257021 Tork Constant Air Freshener Blossom

1.2. Manufacturer or supplier's details

Company name of supplier Essity Professional Hygiene North America

Address P.O. Box 2400
Neenah, WI 54957-2400

Telephone +1-800-424-9300

Emergency telephone CHEMTREC: 1-800-424-9300 (24-Hour)
Customer Service: Essity Professional Hygiene North America 1-866-722-8675

E-mail address info@essity.com

1.3. Recommended use of the chemical and restrictions on use

Recommended use Perfumes

Restrictions on use Not applicable

SECTION 2: Hazards identification

2.1. GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids Category 4

Skin irritation Category 2

Skin sensitization Category 1

2.2. GHS Label elements

Hazard pictograms



Signal Word: Warning

Hazard Statements:

H227 Combustible liquid.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.

Precautionary Statements

Prevention:

P210 Keep away from heat, sparks, open flame and hot surfaces. No smoking.
P261 Avoid breathing mist or vapors.
P264 Wash skin thoroughly after handling.
P272 Contaminated work clothing must not be allowed out of the workplace.
P280 Wear protective gloves, eye protection and face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.

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Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents and container to an approved waste disposal plant.

Other Hazards:

Vapors may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.1. Substance/Mixture

Mixture

Components:

Chemical name	CAS No	Concentration (% w/w)
Benzyl acetate	140-11-4	>= 20 - < 30
2,2-Dimethyl 7-octen-2-ol	18479-58-8	>= 5 - < 10
3,7-dimethyloct-6-en-3-ol	18479-51-1	>= 5 - < 10
Cineole	470-82-6	>= 1 - < 5
3,7-Dimethyl 2,6-octadienal	5392-40-5	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
If inhaled	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
In case of skin contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
In case of eye contact	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.
If swallowed	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed	Causes skin irritation. May cause an allergic skin reaction.
Protection of first aiders	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
Notes to physician	Treat symptomatically and supportively.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Water spray. Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical

5.2. Unsuitable extinguishing media

High volume water jet

5.3. Specific hazards during fire fighting

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Do not use a solid water stream as it may scatter and spread fire.
Flash back possible over considerable distance.
Vapors may form explosive mixtures with air.
Exposure to combustion products may be a hazard to health.

5.4. Hazardous Combustion Products

Carbon oxides.

5.5. Specific extinguishing methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

5.6. Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedure

Remove all sources of ignition. Use personal protective equipment.

Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

6.2. Environmental precautions

Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g., by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapors/mists with a water spray jet.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7: Handling and storage

7.1. Handling and storage

Technical measures	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	If sufficient ventilation is unavailable, use with local exhaust ventilation.
Advice on safe handling	Do not get on skin or clothing. Avoid breathing mist or vapors. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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	Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	Keep in properly labeled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat and sources of ignition.
Materials to avoid	Do not store with the following product types Strong oxidizing agents Explosives Gases
Recommended storage temperature	50 - 86 °F / 10 - 30 °C

SECTION 8: Exposure controls/personal protection

8.1. Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Benzyl acetate	140-11-4	TWA	10 ppm	ACGIH
3,7-Dimethyl 2,6-octadienal	5392-40-5	TWA (Inhalable fraction and vapor)	5 ppm	ACGIH

8.2. Engineering measures

Engineering Measures	Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.
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8.3. Personal protective equipment

Respiratory protection	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand protection:	
Material	Chemical-resistant gloves
Breakthrough time	> 10 min
Remarks	Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
Eye protection	Wear the following personal protective equipment: Safety glasses
Skin and body protection	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Wear the following personal protective equipment:

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Hygiene measures	If assessment demonstrates that there is a risk of explosive atmospheres or flash fires, use flame retardant antistatic protective clothing.
	Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
	If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.
	When using do not eat, drink or smoke.
	Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use.

SECTION 9: Physical and chemical properties

9.1. Physical and Chemical Properties

Appearance	Liquid
Color	Red, Dark red
Odor	Fruity, Floral
Odor Threshold	No data available
pH	Substance/mixture is non-soluble (in water)
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	158 °F / 70 °C Method: closed cup
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
	Upper Explosive Limit: No data available
Flammability (liquids)	No data available
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapor pressure	0.3169 hPa (68 °F / 20 °C)
Relative vapor density	No data available
Relative density	No data available
Density	0.9892 g/cm ³ (68 °F / 20 °C)
Solubility(ies)	Practically insoluble
Water solubility	
Partition coefficient: Noctanol/water	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity, kinematic	No data available
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.
Particle characteristics: Particle size	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

Not classified as a reactivity hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Combustible liquid.

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Vapors may form explosive mixture with air.
Can react with strong oxidizing agents.

10.5. Conditions to avoid

Heat, flames and sparks.

10.6. Incompatible materials

Oxidizing agents

10.7. Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

11.1. Toxicological information

Product Information

Inhalation

Eye contact

Skin contact

Ingestion

Acute toxicity:

Not classified based on available information.

Product:

Acute oral toxicity	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute dermal toxicity	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Components:

Benzyl acetate:

Acute oral toxicity	LD50 (Rat): 2,490 mg/kg
Acute inhalation toxicity	LC50 (Rat): > 0.766 mg/l Exposure time: 4 h Test atmosphere: vapor Assessment: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity	LD50 (Rabbit): > 5,000 mg/kg

2,2-Dimethyl 7-octen-2-ol:

Acute oral toxicity	LD50 (Rat): 3,020 mg/kg
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Acute dermal toxicity	LD50 (Rabbit): > 5,000 mg/kg
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3,7-dimethyloct-6-en-3-ol:

Acute oral toxicity	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 423
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Acute dermal toxicity	LD50 (Rabbit): > 2,000 mg/kg
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Cineole:

Acute oral toxicity LD50 (Rat, female): 4,300 mg/kg
 Method: OECD Test Guideline 401
 Remarks: Based on data from similar materials LD50 (Rabbit): > 5,000 mg/kg

Acute dermal toxicity LD50 (Rat): > 2,000 mg/kg
 Method: OECD Test Guideline 402
 Assessment: The substance or mixture has no acute dermal toxicity
 Remarks: Based on data from similar materials

3,7-Dimethyl 2,6-octadienal:

Acute oral toxicity LD50 (Rat, female): 4,895 mg/kg

Acute dermal toxicity LC50 (Rat): > 0.68 mg/l
 Exposure time: 7 h
 Test atmosphere: vapor

Acute dermal toxicity LD50 (Rabbit): 2,250 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Components:

Benzyl acetate:

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

2,2-Dimethyl 7-octen-2-ol:

Species Reconstructed human epidermis (RhE)
 Method OECD Test Guideline 439

Species Reconstructed human epidermis (RhE)
 Method OECD Test Guideline 431

Result Skin irritation

3,7-dimethyloct-6-en-3-ol:

Species Rabbit
 Method OECD Test Guideline 404
 Result Skin irritation

Cineole:

Species Rabbit
 Method OECD Test Guideline 404
 Result Skin irritation

3,7-Dimethyl 2,6-octadienal:

Species Rabbit
 Result Skin irritation

Serious eye damage/eye Not classified based on available information.

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irritation:

Components:

Benzyl acetate:

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

2,2-Dimethyl 7-octen-2-ol:

Species	Rabbit
Result	Irritation to eyes, reversing within 21 days

Cineole:

Species	Bovine cornea
Method	OECD Test Guideline 437
Result	No eye irritation

3,7-Dimethyl 2,6-octadienal:

Species	Rabbit
Result	Irritation to eyes, reversing within 21 days

Respiratory or skin sensitization:

Skin sensitization	May cause an allergic skin reaction.
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Respiratory sensitization	Not classified based on available information.
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Components:

Benzyl acetate:

Test Type	Magnusson-Kligman-Test
Routes of exposure	Skin contact
Species	Guinea pig
Result	Negative

2,2-Dimethyl 7-octen-2-ol:

Test Type	Maximization
Routes of exposure	Skin contact
Species	Guinea pig
Method	OECD Test Guideline 406
Result	Negative

3,7-dimethyloct-6-en-3-ol:

Test Type	Local lymph node assay (LLNA)
Routes of exposure	Skin contact
Species	Mouse
Method	OECD Test Guideline 429
Result	Negative

Cineole:

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Test Type	Local lymph node assay (LLNA)
Routes of exposure	Skin contact
Species	Mouse
Method	OECD Test Guideline 429
Result	Positive
Assessment	Probability or evidence of low to moderate skin sensitization rate in humans

3,7-Dimethyl 2,6-octadienal:

Test Type	Human repeat insult patch test (HRIPT)
Routes of exposure	Skin contact
Result	Positive
Assessment	Probability or evidence of skin sensitization in humans

Germ cell mutagenicity Not classified based on available information.

Components:

Benzyl acetate:

Genotoxicity in vitro	Test Type: Chromosome aberration test in vitro Result: negative
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Genotoxicity in vivo	Test Type: unscheduled DNA synthesis assay Species: Rat Application Route: Ingestion Result: negative
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2,2-Dimethyl 7-octen-2-ol:

Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative
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3,7-dimethyloct-6-en-3-ol:

Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
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Cineole:

Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Result: negative
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	Test Type: Chromosome aberration test in vitro Result: negative
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Genotoxicity in vivo	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: Ingestion Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials
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3,7-Dimethyl 2,6-octadienal:

Genotoxicity in vitro	Test Type: Bacterial reverse mutation assay (AMES) Result: negative Test Type: In vitro mammalian cell gene mutation test
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Genotoxicity in vivo	Method: OECD Test Guideline 476 Result: negative
	Test Type: Chromosome aberration test in vitro Result: negative
	Test Type: In vitro sister chromatid exchange assay in mam-malian cells Result: positive
	Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Ingestion Result: negative
Carcinogenicity	Not classified based on available information.
Components:	
Benzyl acetate:	
Species	Mouse
Application Route	Ingestion
Exposure time	103 weeks
Remarks	Negative
3,7-Dimethyl 2,6-octadienal:	
Species	Mouse
Application Route	Ingestion
Exposure time	104 - 105 weeks
Result	Negative
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.
Reproductive toxicity	Not classified based on available information.
Components:	
Benzyl acetate:	
Effects on fetal development	Test Type: Embryo-fetal development Result: negative Species: Rat Application Route: Ingestion Result: negative
2,2-Dimethyl 7-octen-2-ol:	
Effects on fetal development	Test Type: Embryo-fetal development Species: Rat Application Route: Ingestion Result: negative Remarks: Based on data from similar materials
Cineole:	
Effects on fertility	Test Type: Reproduction/Developmental toxicity screening test Species: Rat Application Route: Ingestion Method: OECD Test Guideline 421

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Result: negative

3,7-Dimethyl 2,6-octadienal:

Effects on fertility

Test Type: One-generation reproduction toxicity study

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 443

Result: negative

Effects on fetal development

Test Type: One-generation reproduction toxicity study

Species: Rat

Application Route: Ingestion

Method: OECD Test Guideline 443

Result: negative

STOT-single exposure

Not classified based on available information.

Components:

2,2-Dimethyl 7-octen-2-ol:

Assessment

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Benzyl acetate:

Species

Rat

NOAEL

500 mg/kg

Application Route

Ingestion

Exposure time

14 Days

2,2-Dimethyl 7-octen-2-ol:

Species

Rat

LOAEL

> 100 mg/kg

Application Route

Ingestion

Exposure time

90 Days

Method

OECD Test Guideline 408

Remarks

Based on data from similar materials

Cineole:

Species

Rat

NOAEL

600 mg/kg

Application Route

Ingestion

Exposure time

28 Days

Method

OECD Test Guideline 407

3,7-Dimethyl 2,6-octadienal:

Species

Rat, female

NOAEL

335 mg/kg

Application Route

Ingestion

Exposure time

14 Weeks

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Aspiration toxicity Not classified based on available information.

SECTION 12: Ecological information

12.1. Ecotoxicity

Components:

Benzyl acetate:

Toxicity to fish	LC50 (<i>Oryzias latipes</i> (Orange-red killifish)): 4 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 (<i>Daphnia magna</i> (Water flea)): 17 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	EC50 (<i>Desmodesmus subspicatus</i> (green algae)): 110 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 NOEC (<i>Desmodesmus subspicatus</i> (green algae)): 52 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity)	NOEC (<i>Oryzias latipes</i> (Orange-red killifish)): 0.92 mg/l Exposure time: 28 d
Toxicity to microorganisms	EC50: 855 mg/l Exposure time: 3 h

2,2-Dimethyl 7-octen-2-ol:

Toxicity to fish	LC50 : > 10 - 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials
Toxicity to daphnia and other aquatic invertebrates	EC50 (<i>Daphnia magna</i> (Water flea)): 38 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	ErC50 (<i>Desmodesmus subspicatus</i> (green algae)): 80 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 NOEC (<i>Desmodesmus subspicatus</i> (green algae)): 25 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to microorganisms	EC50 (activated sludge): > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209 Remarks: Based on data from similar materials

3,7-dimethyloct-6-en-3-ol:

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Toxicity to fish	LC50 (Cyprinus carpio (Carp)): 42 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 32 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	NOEC (Pseudokirchneriella subcapitata (green algae)): 4.6 mg/l Exposure time: 72 h Method: OECD Test Guideline 201 ErC50 (Pseudokirchneriella subcapitata (green algae)): 78 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Cineole:	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 57 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	EC50 (Pseudokirchneriella subcapitata (green algae)): > 74 mg/l Exposure time: 96 h Method: OECD Test Guideline 201 NOEC (Pseudokirchneriella subcapitata (green algae)): 37 mg/l Exposure time: 96 h Method: OECD Test Guideline 201
Toxicity to microorganisms	EC50: > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
3,7-Dimethyl 2,6-octadienal:	
Toxicity to fish	LC50 (Leuciscus idus (Golden orfe)): 6.78 mg/l Exposure time: 96 h Method: DIN 38412
Toxicity to daphnia and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 6.8 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	ErC50 (Desmodesmus subspicatus (green algae)): 103.8 mg/l Exposure time: 72 h EC10 (Desmodesmus subspicatus (green algae)): 3 mg/l Exposure time: 72 h
Toxicity to microorganisms	EC50 (activated sludge): 160 mg/l Exposure time: 30 min Method: OECD Test Guideline 209

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12.2. Persistence and degradability

Components:

Benzyl acetate:

Biodegradability

Result: Readily biodegradable.
Biodegradation: 100 %
Exposure time: 28 d

2,2-Dimethyl 7-octen-2-ol:

Biodegradability

Result: Readily biodegradable.
Biodegradation: 72 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

3,7-dimethyloct-6-en-3-ol:

Biodegradability

Result: Readily biodegradable.
Biodegradation: 64 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Cineole:

Biodegradability

Result: Readily biodegradable.
Biodegradation: 82 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

3,7-Dimethyl 2,6-octadienal:

Biodegradability

Result: Readily biodegradable.
Biodegradation: > 90 %
Exposure time: 28 d
Method: Directive 67/548/EEC Annex V, C.4.D.

12.3. Bioaccumulation potential

Components:

Benzyl acetate:

Partition coefficient:
noctanol/water

log Pow: 1.96

2,2-Dimethyl 7-octen-2-ol:

Partition coefficient:
noctanol/water

log Pow: 3.25
Method: OECD Test Guideline 117

3,7-dimethyloct-6-en-3-ol:

Partition coefficient:
noctanol/water

log Pow: 2.9

Cineole:

Partition coefficient:
noctanol/water

log Pow: 3.4

3,7-Dimethyl 2,6-octadienal:

Partition coefficient:
noctanol/water

: log Pow: 2.76

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Mobility in soil: No data available

12.4. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste from residues	Dispose of in accordance with local regulations. Do not dispose of waste into sewer.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex-pose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

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:

UN/ID/NA number	NA 1993
Proper shipping name	Combustible liquid, n.o.s. (Cineole, 2,2-Dimethyl 7-octen-2-ol)
Class	CBL
Packing group	III
Labels	NONE
ERG Code	128
Marine pollutant	No
Remarks	Above applies only to containers over 119 gallons or 450 liters. Not regulated if shipped in packages less than or equal to 119 gallons (450 liters).

Special precautions for user: The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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SECTION 15: Regulatory information

15.1. Regulatory Information

CERCLA Reportable Quantity	This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity	This material does not contain any components with a section 304 EHS RQ.
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity	This material does not contain any components with a section 302 EHS TPQ.
SARA 311/312 Hazards	Flammable (gases, aerosols, liquids, or solids) Respiratory or skin sensitization Skin corrosion or irritation
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.
Volatile organic compounds (VOC) content	40 CFR Part 59 National VOC Emission Standard For Consumer Products, Subpart C VOC content: 83.14 %

US State Regulations

Pennsylvania Right To Know

Benzyl acetate	140-11-4
2,2-Dimethyl 7-octen-2-ol	18479-58-8
3,7-dimethyloct-6-en-3-ol	18479-51-1

California List of Hazardous Substances

Benzyl acetate	140-11-4
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California Permissible Exposure Limits for Chemical Contaminants

Benzyl acetate	140-11-4
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The ingredients of this product are reported in the following inventories:

TSCA	All substances listed as active on the TSCA inventory
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SECTION 16: Other Information

NFPA 704:	Health Hazards: 2	Flammability: 2	Instability: 0	Physical and Chemical Hazards: N/A
HMIS® IV:	Health Hazards: 2	Flammability: 2	Physical Hazard: 0	Personal Protection: X

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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according to OSHA Hazard Communication Standard (HCS) 2012

Full text of other abbreviations

ACGIH USA. ACGIH Threshold Limit Values (TLV)
ACGIH / TWA 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; 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 Standardization; 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 Organization 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, Bio accumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act;

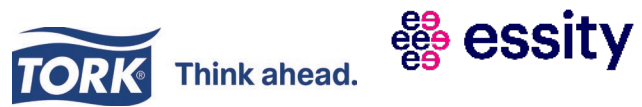
REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals 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 Bio accumulative

Sources of key data used to compile the Material Safety Data Sheet Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date 10/08/2024

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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