

SAFETY DATA SHEET

LILAC BLOSSOMS EVA (Z)

Version	Revision Date:	SDS Number:	Date of last issue: 02/01/2022
7.0	04/03/2022	785478	Date of first issue: 04/24/2021

SECTION 1. IDENTIFICATION

Product name : LILAC BLOSSOMS EVA (Z)

Product code : 785478

Manufacturer or supplier's details

Company name of supplier : PPA Industries Inc.

Address : 420 3rd Avenue NW
Hickory NC 28601

Telephone : 1-888-808-9100

Emergency telephone : Emergency Telephone US: 1-800-424-9300
Emergency Telephone Outside US: 1-703-627-3887
:

Recommended use of the chemical and restrictions on use

Recommended use : Fragrance

SECTION 2. HAZARDS IDENTIFICATION

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

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitization : Category 1

Reproductive toxicity : **Category 1B**

GHS label elements

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H360Fd May damage fertility. Suspected of damaging the unborn child.

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Precautionary Statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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/ protective clothing/ eye protection/ face protection.

Response:
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.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Storage:
P405 Store locked up.

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

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

The specific chemical identity and/or exact percentages of components in this mixture have been withheld as a trade secret in accordance with Title 29 of the U.S. Code of Federal Regulations 1910.1200.

Remaining components are proprietary, non-hazardous, or present in amounts below reportable limits.

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
Benzoic acid, phenylmethyl ester	120-51-4	>= 20 - < 30
Benzoic acid, 2-hydroxy-, phenylmethyl ester	118-58-1	>= 10 - < 20
Benzeneethanol	60-12-8	>= 5 - < 10
3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-	98-55-5	>= 5 - < 10
1,3-Benzodioxole-5-carboxaldehyde	120-57-0	>= 1 - < 5

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Octanal, 2-(phenylmethylene)-	101-86-0	>= 1 - < 5
Benzenepropanal, 4-(1,1-dimethylethyl)- α -methyl-	80-54-6	>= 1 - < 5
Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (1R,4E,9S)-	87-44-5	>= 1 - < 5
Benzenepropanol	122-97-4	>= 1 - < 5
Phenol, 2-methoxy-4-(2-propen-1-yl)-	97-53-0	>= 1 - < 5
Acetic acid, phenylmethyl ester	140-11-4	>= 1 - < 5
2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	63500-71-0	>= 1 - < 5
Cyclohexanol, 1-methyl-4-(1-methylethylidene)-	586-81-2	>= 1 - < 5
1,6-Octadien-3-ol, 3,7-dimethyl-	78-70-6	>= 1 - < 5
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	128-37-0	>= 1 - < 5
Benzenemethanol, ar-methoxy-, 1-acetate	1331-83-5	>= 1 - < 5

Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Remove to fresh air immediately. Get medical attention immediately.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
Take victim immediately to hospital.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
Rinse mouth with water.
Keep respiratory tract clear.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : First aider needs to protect himself.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May damage fertility. Suspected of damaging the unborn child.

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Protection of first-aiders	:	First Aid responders should pay attention to self-protection and use the recommended protective clothing
Notes to physician	:	The first aid procedure should be established in consultation with the doctor responsible for industrial medicine. There is no specific antidote available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	:	High volume water jet
Hazardous combustion products	:	No hazardous combustion products are known
Further information	:	In the event of fire and/or explosion do not breathe fumes. Standard procedure for chemical fires. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.
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	:	Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.
Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Avoid formation of aerosol. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area.

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Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : No special restrictions on storage with other products.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Acetic acid, phenylmethyl ester	140-11-4	TWA	10 ppm	ACGIH
		TWA PEL	10 ppm 61 mg/m ³	US CA OEL
Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	128-37-0	TWA (Inhalable fraction and vapor)	2 mg/m ³	ACGIH
		REL	10 mg/m ³	NIOSH/GUID E
		TWA	10 mg/m ³	Z1A
		TWA PEL	10 mg/m ³	US CA OEL

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. Wear chemicals-resistant gloves, e.g. safety gloves of nitril (thickness 0.4mm) or of butyl rubber (thickness 0.7mm).

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing

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problems.

Skin and body protection : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : clear liquid

Color : colorless to pale yellow

Odor : characteristic

Odor Threshold : No data available

pH : Not applicable

Melting point/freezing point : /
not determined

Boiling point/boiling range : not determined

Flash point : 212 °F / 100 °C

Evaporation rate : Not applicable

Self-ignition : The substance or mixture is not classified as self heating.

Upper explosion limit / Upper flammability limit : Vapors may form explosive mixtures with air.

Lower explosion limit / Lower flammability limit : Vapors may form explosive mixtures with air.

Vapor pressure : 0.0855713 hPa / 0.064 mmHg (68 °F / 20 °C)
calculated

Relative vapor density : not determined

Relative density : 1.0440 - 1.0540 (68 °F / 20 °C)
relation to density of water at 4°C

Bulk density : Not applicable

Solubility(ies)

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Water solubility	:	immiscible
Partition coefficient: n-octanol/water	:	Not applicable
Decomposition temperature	:	not determined
Viscosity		
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	not determined
Explosive properties	:	Due to its structural properties, the product is not classified as explosive.
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Molecular weight	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	No decomposition if stored and applied as directed. Vapors may form explosive mixture with air.
Conditions to avoid	:	No data available
Incompatible materials	:	No data available
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: 2,395 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 200 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

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Components:

Benzoic acid, phenylmethyl ester:

Acute oral toxicity : LD50 Oral (Rat): 1,500 mg/kg

Acute dermal toxicity : Acute toxicity estimate: 4,000 mg/kg

Benzoic acid, 2-hydroxy-, phenylmethyl ester:

Acute oral toxicity : LD50 Oral (Rat): 2,227 mg/kg

Benzeneethanol:

Acute oral toxicity : LD50 (Rat, male and female): 1,609.3 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute dermal toxicity : LD50 (Rabbit, male and female): 2,535 mg/kg
Method: OECD Test Guideline 402
GLP: yes

3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-:

Acute oral toxicity : LD50 Oral (Rat, male): 4,300 mg/kg
Method: OECD Test Guideline 401
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

1,3-Benzodioxole-5-carboxaldehyde:

Acute oral toxicity : LD50 (Rat): 2,700 mg/kg

Octanal, 2-(phenylmethylene)-:

Acute oral toxicity : LD50 Oral (Rat, male): 3,100 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute inhalation toxicity : (Rat, male and female): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: no

Acute dermal toxicity : LD50 Dermal (Rabbit, female): > 3,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Benzenepropanal, 4-(1,1-dimethylethyl)- α -methyl-:

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Acute oral toxicity : LD50 Oral (Rat, male and female): 1,390 mg/kg
Method: OECD Test Guideline 401
GLP: no

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

LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (1R,4E,9S)-:

Acute oral toxicity : LD50 (Mouse, male): > 5,000 mg/kg

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

Benzenepropanol:

Acute oral toxicity : LD50 (Rat, male and female): 2,300 mg/kg
Method: OECD Test Guideline 401
GLP: no

Acute dermal toxicity : LD50 (Rabbit, male and female): 2,500 mg/kg

Phenol, 2-methoxy-4-(2-propen-1-yl)-:

Acute oral toxicity : LD50 (Rat, male and female): > 2,000 mg/kg
Method: OECD 423
GLP: No information available.

Acute inhalation toxicity : LC50 (Rat, male and female): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
GLP: No information available.

Acetic acid, phenylmethyl ester:

Acute oral toxicity : LD50 Oral: 2,490 mg/kg

2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-:

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

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: no

1,6-Octadien-3-ol, 3,7-dimethyl-:

Acute oral toxicity : LD50 (Rat, male and female): 2,790 mg/kg
Method: OECD Test Guideline 401
GLP: no
Remarks: Weight of evidence

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Acute dermal toxicity : LD50 (Rabbit): 5,610 mg/kg
Method: OECD Test Guideline 402
GLP: no

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-:

Acute oral toxicity : LD50 Oral (Rat, male and female): > 6,000 mg/kg
Method: OECD Test Guideline 401
GLP: yes

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Benzenemethanol, ar-methoxy-, 1-acetate:

Acute oral toxicity : LD50 Oral (Rat, female): > 5,000 mg/kg
Method: OECD 423
GLP: yes

Acute dermal toxicity : LD50 Dermal (Rat, male and female): > 2,000 mg/kg
Method: OECD Test Guideline 402
GLP: yes

Skin corrosion/irritation

Causes skin irritation.

Components:

Benzoic acid, phenylmethyl ester:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Mild skin irritation
GLP: yes
Dose: 0,5 ml
Concentration: 100 %

Benzoic acid, 2-hydroxy-, phenylmethyl ester:

Species: Humans
Result: No skin irritation
Concentration: 30 %

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes
Concentration: 100 %

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Benzeneethanol:

Species: Rabbit
Exposure time: 4 h
Result: Mild skin irritation
GLP: No information available.
Dose: 0,5 ml
Concentration: 100 %

3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Reizt die Haut.
GLP: yes
Dose: 0,5 ml
Concentration: 100 %

1,3-Benzodioxole-5-carboxaldehyde:

Species: Guinea pig
Result: No skin irritation
Concentration: 20 %

Octanal, 2-(phenylmethylene)-:

Species: Rabbit
Exposure time: 4 h
Method: Regulation (EC) No. 440/2008, Annex, B.4
Result: Mild skin irritation
GLP: yes
Dose: 0,5 ml
Concentration: 100 %

Benzenepropanal, 4-(1,1-dimethylethyl)- α -methyl-:

Species: Humans
Exposure time: 24 h
Method: HRIPT
Result: No skin irritation
Concentration: 5 %
solvents: Petrolatum

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Skin irritation
GLP: yes
Dose: 0,5 ml
Concentration: 100 %

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Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (1R,4E,9S)-:

Species: reconstructed human epidermis (RhE)
Exposure time: 1 h
Method: OECD 439
Result: No skin irritation
GLP: yes
Concentration: 100 %

Species: Humans
Exposure time: 48 h
Method: Closed patch test
Result: No skin irritation
Concentration: 4 %
solvents: Petrolatum

Benzenepropanol:

Species: reconstructed human epidermis (RhE)
Method: OECD 431
Result: Corrosive after 3 minutes to 1 hour of exposure
GLP: yes
Dose: 0,03 ml
Concentration: 100 %

Phenol, 2-methoxy-4-(2-propen-1-yl)-:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Mild skin irritation
GLP: yes
Dose: 0,5 ml
Concentration: 100 %

Acetic acid, phenylmethyl ester:

Species: Rabbit
Exposure time: 4 h
Method: Regulation (EC) No. 440/2008, Annex, B.4
Result: No skin irritation
GLP: yes
Concentration: 100 %

2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation

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GLP: yes
Dose: 0,5 ml
Concentration: 100 %

1,6-Octadien-3-ol, 3,7-dimethyl-:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Skin irritation
GLP: yes
Concentration: 100 %

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-:

Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: No skin irritation
GLP: yes
Dose: 250 mg
Concentration: 100 %

Benzenemethanol, ar-methoxy-, 1-acetate:

Species: reconstructed human epidermis (RhE)
Exposure time: 1 h
Method: OECD 439
Result: No skin irritation
GLP: yes
Concentration: 100 %

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Benzoic acid, phenylmethyl ester:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Mild eye irritation
GLP: yes
Dose: 0,1 ML
Concentration: 100 %

Benzoic acid, 2-hydroxy-, phenylmethyl ester:

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

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Dose:0,1 ML

Benzeneethanol:

Species: Rabbit
Result: Eye irritation
GLP: no

3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Irritating to eyes.
GLP: yes
Dose:0,1 ML
Concentration: 100 %
Remarks: Information given is based on data obtained from similar substances.

1,3-Benzodioxole-5-carboxaldehyde:

Remarks: No eye irritation

Octanal, 2-(phenylmethylene)-:

Species: Rabbit
Method: Regulation (EC) No. 440/2008, Annex, B.5
Result: No eye irritation
GLP: yes
Dose:0,1 ML
Concentration: 100 %

Benzenepropanal, 4-(1,1-dimethylethyl)- α -methyl-:

Species: Rabbit
Result: No eye irritation
GLP: no
Dose:0,1 ML
Concentration: 100 %

Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (1R,4E,9S)-:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Mild eye irritation
GLP: yes
Concentration: 100 %

Phenol, 2-methoxy-4-(2-propen-1-yl)-:

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Species: Rabbit
Method: OECD Test Guideline 405
Result: Eye irritation
Dose:0,1 ML
Concentration: 100 %

Acetic acid, phenylmethyl ester:

Species: Rabbit
Method: Regulation (EC) No. 440/2008, Annex, B.5
Result: No eye irritation
GLP: yes
Concentration: 100 %

2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Irritating to eyes.
GLP: yes
Dose:0,1 ML
Concentration: 100 %

1,6-Octadien-3-ol, 3,7-dimethyl-:

Species: Rabbit
Method: OECD Test Guideline 405
Result: Irritating to eyes.
GLP: no
Concentration: 100 %
Remarks: Weight of evidence

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-:

Species: Rabbit
Method: Draize Test
Result: Mild eye irritation

Benzenemethanol, ar-methoxy-, 1-acetate:

Species: Rabbit
Method: OECD Test Guideline 405
Result: No eye irritation
GLP: yes
Dose:0,1 ML
Concentration: 100 %

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Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified based on available information.

Components:

Benzoic acid, phenylmethyl ester:

Test Type: Local Lymph Node Assay

Species: Mouse

Method: OECD 429

Result: No sensitizing effect.

GLP: yes

Concentration: 50 %

solvents: Diethylphthalate/Ethyl alcohol (3:1)

Benzoic acid, 2-hydroxy-, phenylmethyl ester:

Test Type: Local Lymph Node Assay

Species: Mouse

Method: OECD 429

Result: Sensitizing effect.

GLP: yes

Concentration: 2.9 %

solvents: Diethylphthalate/Ethyl alcohol (3:1)

Benzeneethanol:

Test Type: Local Lymph Node Assay

Species: Mouse

Method: OECD 429

Result: No sensitizing effect.

GLP: yes

Concentration: 50 %

solvents: Diethylphthalate/Ethyl alcohol (3:1)

3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-:

Test Type: Popliteal lymph node assay (PLNA)

Species: Rat

Method: Directive 67/548/EWG, Annex V, B.42.

Result: No sensitizing effect.

GLP: No information available.

Octanal, 2-(phenylmethylene)-:

Test Type: Local Lymph Node Assay

Species: Mouse

Method: OECD 429

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GLP: No information available.
Concentration: 6.6 - 11.5 %
solvents: Acetone/Olive oil (4:1)

Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (1R,4E,9S)-:

Test Type: Freund's complete adjuvant test
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Sensitizing effect.
Concentration: 6.8 %

Test Type: Maximization Test
Species: Humans
Result: No sensitizing effect.
Concentration: 4 %
solvents: Petrolatum

Phenol, 2-methoxy-4-(2-propen-1-yl)-:

Test Type: Local Lymph Node Assay
Species: Mouse
Method: OECD 429
Result: Sensitizing effect.
GLP: No information available.
Concentration: > 5.4 %
solvents: Diethylphthalate/Ethyl alcohol (3:1)

Acetic acid, phenylmethyl ester:

Species: Guinea pig
Method: OECD Test Guideline 406
Result: No sensitizing effect.

2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-:

Test Type: Maximization Test
Species: Guinea pig
Method: OECD Test Guideline 406
Result: No sensitizing effect.
GLP: yes
Concentration: 25 %

1,6-Octadien-3-ol, 3,7-dimethyl-:

Test Type: Local Lymph Node Assay
Species: Mouse
Method: OECD 429
Result: Sensitizing effect.

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GLP: yes
Concentration: 35.5 %
solvents: N,N-Dimethylformamide

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-:

Species: Humans
Result: No sensitizing effect.
GLP: No information available.
Rate of positive effects: 11/11454
Concentration: 2 %
solvents: Petrolatum

Benzenemethanol, ar-methoxy-, 1-acetate:

Test Type: Local Lymph Node Assay
Species: Mouse
Method: OECD 429
Result: Sensitizing effect.
GLP: yes
Concentration: 9 %
solvents: Acetone/Olive oil (4:1)

Germ cell mutagenicity

Not classified based on available information.

Components:

Benzoic acid, 2-hydroxy-, phenylmethyl ester:

Genotoxicity in vitro : Test Type: Ames test
Test system: Mammal cells
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative

Benzeneethanol:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: mouse lymphoma L5178Y cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: yes

Test Type: In vitro Mammalian Chromosome Aberration Test

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Metabolic activation: with and without metabolic activation
Method: OECD 473
Result: negative
GLP: yes

3-Cyclohexene-1-methanol, $\alpha,\alpha,4$ -trimethyl-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: no

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: mouse lymphoma L5178Y cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: no

Test Type: In vitro Mammalian Chromosome Aberration Test
Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD 473
Result: negative
GLP: yes
Remarks: Information given is based on data obtained from similar substances.

Octanal, 2-(phenylmethylene)-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: No information available.

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: mouse lymphoma L5178Y cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: Mammalian Erythrocyte Micronucleus Test
Species: Mouse (male and female)
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative
GLP: No information available.

Benzenepropanal, 4-(1,1-dimethylethyl)- α -methyl-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471

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Result: negative

GLP: yes

Test Type: In vitro Mammalian Cell Gene Mutation Test

Test system: V79 cells

Metabolic activation: with and without metabolic activation

Method: OECD 476

Result: negative

GLP: yes

Genotoxicity in vivo : Test Type: Mammalian Erythrocyte Micronucleus Test
Species: Mouse (male and female)
Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-, (1R,4E,9S)-:

Genotoxicity in vitro : Test Type: In Vitro Mammalian Cell Micronucleus Test
Test system: Human lymphocytes
Method: OECD 487
Result: negative

Test Type: In vitro Mammalian Cell Gene Mutation Test

Test system: mouse lymphoma L5178Y cells

Metabolic activation: with and without metabolic activation

Method: OECD 476

Result: positive

Test Type: Ames test

Metabolic activation: with and without metabolic activation

Method: OECD 471

Result: negative

Genotoxicity in vivo : Test Type: sister chromatid exchange assay
Species: Mouse (male)
Cell type: Bone marrow
Application Route: Oral
Result: negative

Test Type: Mammalian Erythrocyte Micronucleus Test

Species: Mouse (male)

Application Route: Oral

Method: OECD Test Guideline 474

Result: negative

Benzenepropanol:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

Test Type: In Vitro Mammalian Cell Micronucleus Test

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Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD 487
Result: negative
GLP: yes

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: V79 cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: yes

Phenol, 2-methoxy-4-(2-propen-1-yl)-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: No information available.

Test Type: In vitro Mammalian Chromosome Aberration Test
Method: OECD 473
Result: positive
GLP: No information available.

Test Type: In vitro Mammalian Cell Gene Mutation Test
Method: OECD 476
Result: positive
GLP: No information available.

Genotoxicity in vivo : Test Type: Mammalian Erythrocyte Micronucleus Test
Species: Mouse (male)
Method: OECD 474
Result: negative
GLP: No information available.

Acetic acid, phenylmethyl ester:

Genotoxicity in vitro : Test Type: In vitro Mammalian Chromosome Aberration Test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative

2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: In vitro Mammalian Chromosome Aberration Test
Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473

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Result: negative

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: V79 cells
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative

Genotoxicity in vivo : Test Type: Mammalian Erythrocyte Micronucleus Test
Species: Mouse (male and female)
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative
GLP: yes

1,6-Octadien-3-ol, 3,7-dimethyl-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

Test Type: In vitro Mammalian Chromosome Aberration Test
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Method: OECD 473
Result: negative
GLP: yes

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: mouse lymphoma L5178Y cells
Metabolic activation: with and without metabolic activation
Method: OECD 476
Result: negative
GLP: yes

Genotoxicity in vivo : Test Type: Mammalian Erythrocyte Micronucleus Test
Species: Mouse (male and female)
Cell type: Bone marrow
Application Route: Oral
Method: OECD Test Guideline 474
Result: negative
GLP: yes

Phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative
GLP: No information available.

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: mammalian liver cells
Result: negative

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GLP: No information available.

Test Type: In vitro Mammalian Chromosome Aberration Test
Test system: Chinese hamster ovary cells
Metabolic activation: with and without metabolic activation
Result: negative
GLP: No information available.

Genotoxicity in vivo : Test Type: Micronucleus test
Result: negative

Benzenemethanol, ar-methoxy-, 1-acetate:

Genotoxicity in vitro : Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

Test Type: In Vitro Mammalian Cell Micronucleus Test
Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 487
Result: negative
GLP: yes

Test Type: In vitro Mammalian Cell Gene Mutation Test
Test system: Chinese hamster fibroblasts
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 476
Result: negative
GLP: yes

Carcinogenicity

Not classified based on available information.

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

May damage fertility. Suspected of damaging the unborn child.

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

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Aspiration toxicity

Not classified based on available information.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : Remarks: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

Remarks: This product is a mixture, which has not been tested as a whole.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

UN/ID No.	: UN 3082
Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s. (BENZYL BENZOATE, BUTYLATED HYDROXYTOLUENE)
Class	: 9
Packing group	: III
Labels	: Miscellaneous

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Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(BENZYL BENZOATE, BUTYLATED HYDROXYTOLUENE)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes

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

Remarks : Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

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.

SECTION 15. REGULATORY INFORMATION

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.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Reproductive toxicity

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

ACGIH : US. ACGIH Threshold Limit Values
NIOSH/GUIDE : US. NIOSH: Pocket Guide to Chemical Hazards, as amended
US CA OEL : US. California Code of Regulations, Title 8, Section 5155.

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	Airborne Contaminants, as amended
Z1A	: US. OSHA Table Z-1-A (29 CFR 1910.1000)
ACGIH / TWA	: Time weighted average
NIOSH/GUIDE / REL	: Recommended exposure limit
US CA OEL / TWA PEL	: Time Weighted Average (TWA) Permissible Exposure Limit (PEL):
Z1A / TWA	: 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 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; TECL - 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 Bioaccumulative

Revision Date : 04/03/2022

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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