

Issuing Date 07-Feb-2011

Revision Date

Revision Number 0

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name Fragrances
Synonyms Apple Blossom, Berry, Eucalyptus, Gardenia, Lemon, Orange, Pine, Spice, Vanilla, Violet, Lavender Juniper, Orange Ginger, Mandarin Rosewood, Tea Tree Mint

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use No information available

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Importer No information available	Company Rexair LLC 50 W. Big Beaver Suite 350 Troy, MI 48084 USA TEL: 248-643-7222	Supplier Rexair LLC 230 Seventh Street Cadillac, MI 49601 USA TEL: 231-775-3413
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For further information, please contact

E-mail Address customerserv@rexairllc.com

1.4. Emergency telephone number

Emergency Telephone Number 248-643-7222

Europe	112
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Section 2. Hazards identification

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

Symbol(s) Not dangerous

2.2. Label Elements

Indication of danger

Not dangerous

R-phrases(s)

No information available.

S-phrases(s)

No information available.

Safety data sheet available for professional user on request

2.3. Other information**Section 3. Composition/information on ingredients****3.1 Mixtures**

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Hexylene glycol	203-489-0	107-41-5	5	Xi;R36/38	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	No data available
Terpenes and Terpenoids, sweet orange-oil	-	68647-72-3	4	R10 Xi;R38 Xn;R43 N;R50/53 R65	Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Naphtha (petroleum), hydrotreated heavy	265-150-3	64742-48-9	3.5	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)	No data available
Benzyl benzoate	204-402-9	120-51-4	3	Xn; R22 N; R51 R53	Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)	No data available
Hexyl salicylate	228-408-6	6259-76-3	2	Xi;R38, R43 N;R51/53		No data available
.alpha.-Terpineol	202-680-6	98-55-5	1.5	Xi;R38	Skin Irrit. 2 (H315)	No data available
2-Propenal, 2-methyl-3-phenyl-	202-938-8	101-39-3	1	Xi; R43		No data available
.beta.-Pinene	204-872-5	127-91-3	0.5	Xn;R65 N;R50/53 R10 R43 (EFFA)	Asp. Tox. 1 (H304) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Eugenol	202-589-1	97-53-0	0.5	Xi;R36/38-43 Xn;R22 R52	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	No data available
.alpha.-Pinene	-	80-56-8	0.25	Xn;R65 N;R50/53 R10 R43 (EFFA)	Asp. Tox. 1 (H304) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Musk ketone	201-328-9	81-14-1	0.25	Carc.Cat.3; R40 N; R50 R53	Carc. 2 (H351) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Coumarin	202-086-7	91-64-5	0.25	Xn;R22-43	Skin Sens. 1 (H317)	No data available

D-Limonene	227-813-5	5989-27-5	0.25	R10 Xi;R38-43 N;R50-53	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Citronellol	203-375-0	106-22-9	0.25	Xi;R38,R43 N;R51/53		No data available
Geraniol	203-377-1	106-24-1	0.25	Xi;R38-41-43 (ECHA)	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1 (H317)	No data available
Benzyl salicylate	204-262-9	118-58-1	0.1	Xi;R43		No data available
Citral	226-394-6	5392-40-5	0.1	Xi; R38 R43	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	No data available
Butylphenyl methylpropional	201-289-8	80-54-6	0.1	N;R51-53 Xn; R22		No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

General Advice

Immediate medical attention is not required. If symptoms persist, call a physician.

Eye Contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact

Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician.

Ingestion

Do NOT induce vomiting. Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

Inhalation

Move to fresh air. Aspiration into lungs can produce severe lung damage. If symptoms arise, call a physician

Protection of First-aiders

Use personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Most Important Symptoms/Effects No information available.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

See Section 12 for additional information.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3. Methods and materials for containment and cleaning up

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling

Handling

Wear personal protective equipment. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)

Exposure Scenario No information available.

Other Guidelines No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Hexylene glycol 107-41-5		STEL: 123 mg/m ³ STEL: 25 ppm TWA: 123 mg/m ³ TWA: 25 ppm	VLCT: 125 mg/m ³ VLCT: 25 ppm	VLA-EC: 25 ppm VLA-EC; 123 mg/m ³ VLA-EC	MAK: 10 ppm MAK: 49 mg/m ³ Ceiling / Peak: 20 ppm Ceiling / Peak: 98 mg/m ³
Naphtha (petroleum), hydrotreated heavy 64742-48-9					MAK: 50 ppm MAK: 300 mg/m ³ Ceiling / Peak: 100 ppm Ceiling / Peak: 600 mg/m ³

D-Limonene 5989-27-5					MAK: 20 ppm MAK: 110 mg/m ³ Ceiling / Peak: 40 ppm Ceiling / Peak: 220 mg/m ³ TWA: 20 ppm TWA: 110 mg/m ³
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Chemical Name	Italy	Portugal	The Netherlands	Finland	Denmark
Hexylene glycol 107-41-5		Ceiling: 25 ppm	Ceiling: 25 ppm Ceiling; 125 mg/m ³ Ceiling MAC: 25 ppm MAC; 125 mg/m ³ MAC	TWA: 120 mg/m ³ TWA: 25 ppm STEL: 200 mg/m ³ STEL: 40 ppm	Ceiling: 125 mg/m ³ Ceiling: 25 ppm
D-Limonene 5989-27-5				TWA: 25 ppm TWA: 140 mg/m ³ STEL: 50 ppm STEL: 280 mg/m ³	

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Hexylene glycol 107-41-5	STEL 10 ppm STEL 49 mg/m ³ MAK: 10 ppm MAK: 49 mg/m ³ Ceiling 10 ppm Ceiling 49 mg/m ³	STEL: 20 ppm STEL; 98 mg/m ³ STEL MAK: 10 ppm MAK; 49 mg/m ³ MAK	NDSP: 120 mg/m ³	Ceiling: 100 mg/m ³ Ceiling: 20 ppm	TWA: 125 mg/m ³ TWA: 25 ppm STEL: 125 mg/m ³ STEL: 25 ppm
Naphtha (petroleum), hydrotreated heavy 64742-48-9			NDSch: 900 mg/m ³ NDS: 300 mg/m ³		
.beta.-Pinene 127-91-3				TWA: 140 mg/m ³ TWA: 25 ppm STEL: 175 mg/m ³ STEL: 37.5 ppm	
.alpha.-Pinene 80-56-8				TWA: 140 mg/m ³ TWA: 25 ppm Skin STEL: 175 mg/m ³ STEL: 37.5 ppm	
D-Limonene 5989-27-5		STEL: 40 ppm STEL: 220 mg/m ³ MAK: 20 ppm MAK: 110 mg/m ³		TWA: 25 ppm TWA: 140 mg/m ³ STEL: 37.5 ppm STEL: 175 mg/m ³	

Derived No Effect Level (DNEL) No information available.
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures

Personal protective equipment

Eye Protection

Skin and Body Protection

Hand Protection

Respiratory Protection

Showers. Eyewash stations.

Goggles

Long sleeved clothing.

Impervious gloves.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Environmental Exposure Controls Do not allow material to contaminate ground water system.

Section 9. Physical and chemical properties

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Clear
Odor	No information available		

Property	Values	Remarks/ Method
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available	None known
Specific Gravity	No data available	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known

Explosive Properties	No information available
Oxidizing Properties	No information available

9.2. Other information

VOC Content (%)	No information available
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Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Excessive heat.

Incompatible materials

No information available.

10.6. Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO₂).

Section 11. Toxicological information

11.1.

Acute Toxicity

Product Information Inhalation

No acute toxicity information is available for this product.
There is no data available for this product.

Eye Contact	There is no data available for this product.
Skin Contact	There is no data available for this product.
Ingestion	There is no data available for this product.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hexyl salicylate	5 g/kg (Rat)	5 g/kg (Rabbit)	
.beta.-Pinene	4700 mg/kg (Rat)		
.alpha.-Pinene	2100 mg/kg (Rat)	5000 mg/kg (Rat)	
2-Propenal, 2-methyl-3-phenyl-	2050 mg/kg (Rat)	5000 mg/kg (Rabbit)	
Eugenol	1930 mg/kg (Rat)		
Hexylene glycol	3692 mg/kg (Rat)	12,3000 mg/kg (Rabbit)	
Geraniol	3600 mg/kg (Rat)	5000 mg/kg (Rabbit)	
Coumarin	293 mg/kg (Rat)		
Citronellol	3450 mg/kg (Rat)	2650 mg/kg (Rabbit)	

Irritation	No information available.
Corrosivity	No information available.
Sensitization	No information available.
Mutagenic Effects	No information available.
Carcinogenic Effects	No information available.
Reproductive Toxicity	No information available.
Developmental Toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	Central nervous system (CNS). Respiratory system. Eyes. Skin.
Aspiration Hazard	No information available.

Section 12. Ecological information

12.1. Toxicity**Ecotoxicity Effects**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Hexylene glycol		LC50 96 h: 10500-11000 mg/L flow-through (Pimephales promelas) LC50 96 h: = 10000 mg/L static (Lepomis macrochirus) LC50 96 h: = 10700 mg/L static (Pimephales promelas) LC50 96 h: = 8690 mg/L flow-through (Pimephales promelas)	EC50 = 3038 mg/L 5 min	EC50 48 h: 2700 - 3700 mg/L (Daphnia magna)
Naphtha (petroleum), hydrotreated heavy		LC50 96 h: = 2200 mg/L (Pimephales promelas)		LC50 96 h: = 2.6 mg/L (Chaetogammarus marinus)
Eugenol		LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static		
.alpha.-Pinene		LC50 96 h: = 0.28 mg/L static (Pimephales promelas)		LC50 48 h: = 41 mg/L (Daphnia magna)
D-Limonene		LC50 96 h: 0.619-0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Citral	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6-10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)
Butylphenyl methylpropional		LC50 96 h: 2.2-4.6 mg/L static (Brachydanio rerio)		EC50 48 h: = 10.7 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

Chemical Name	Log Pow
Hexylene glycol	0.13986
Eugenol	2.27
.alpha.-Pinene	4.1
Citral	2.76
Butylphenyl methylpropional	4.2

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Section 13. Disposal considerations

Waste treatment methods**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Other Information

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Marine Pollutant	None.
14.6. Special Provisions	None.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

Section 14. Transport information

RID

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ADR

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

ICAO

14.1. UN-Number	Not regulated.
14.2. Proper shipping name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

IATA

14.1. UN-Number	Not regulated.
14.2. Proper Shipping Name	Not regulated.
14.3. Hazard Class	Not regulated.
14.4. Packing Group	Not regulated.
Description	Not applicable.
14.5. Environmental hazard	None.
14.6. Special Provisions	None.

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**International Inventories**

All of the components in the product are on the following Inventory lists: U.S.A. (TSCA), Canada (DSL/NDSL), Australia (AICS), Korea (ECL), China (IECSC), Philippines (PICCS).

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	-
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3

No information available

Key literature references and sources for data

www.ChemADVISOR.com/

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Revision Date

Revision Note Initial Release.

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Safety Data Sheet