

## Section 1. Chemical product and company identification

**Product name** : ECOLAB SUMMER FLORAL  
**Recommended use and restrictions** : Air Freshener  
Use only for the purpose on the product label.

**Product dilution information** : Not applicable

**Supplier's information** : Ecolab Inc.  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-325-1671

**Code** : 915527

**Date of issue** : 27 Dec 2013

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## Section 2. Hazards identification

**GHS Classification** : **Product AS SOLD**  
FLAMMABLE LIQUIDS - Category 4  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1

### GHS label elements

**Signal word** : Warning

**Symbol** :



**Hazard statements** : Combustible liquid.  
Causes serious eye irritation.  
May cause an allergic skin reaction.

### Precautionary statements

**Prevention** : Keep away from flames and hot surfaces. - No smoking. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

**Response** : IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Storage** : Store in a well-ventilated place. Keep cool.

**Disposal** : See section 13 for waste disposal information.

### **Product AT USE DILUTION**

Product is sold ready to use.

## Section 2. Hazards identification

Other hazards : None known.

## Section 3. Composition/information on ingredients

Substance/mixture : Mixture

### Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
n-hexyl acetate	5 - 20	142-92-7
Limonene	1 - 5	5989-27-5
LINALOOL	1 - 5	78-70-6

### Product AT USE DILUTION

Hazardous ingredients	Concentration Range (%)	CAS number
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Product is sold ready to use.

## Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.	Product is sold ready to use.
<b>Skin contact</b>	: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	
<b>Ingestion</b>	: Get medical attention if symptoms occur.	
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
<b>Notes to physician</b>	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	

See toxicological information (section 11)

## Section 5. Fire-fighting measures

### Product AS SOLD

<b>Suitable fire extinguishing media</b>	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
<b>Specific hazards arising from the chemical</b>	: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
<b>Specific fire-fighting methods</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
<b>Special protective equipment for fire-fighters</b>	:

## Section 5. Fire-fighting measures

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Personal precautions</b>	: Eliminate all ignition sources. Use personal protective equipment as required. Do not touch or walk through spilled material.	Product is sold ready to use.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	
<b>Methods for cleaning up</b>	: If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.	

## Section 7. Handling and storage

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Handling</b>	: Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Use only with adequate ventilation. Wash thoroughly after handling.	Product is sold ready to use.
<b>Storage</b>	: Keep out of reach of children. Keep container tightly closed. Keep container tightly closed and sealed until ready for use. Keep container in a cool, well-ventilated area. Avoid all possible sources of ignition (spark or flame). Store in a segregated and approved area.  Store between the following temperatures: 0 and 50°C	

## Section 8. Exposure controls/personal protection

**Control parameters**

Ingredient name	Exposure limits
Limonene	AIHA WEEL (United States, 5/2010). TWA: 30 ppm 8 hours.

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Appropriate engineering controls</b>	: No special ventilation requirements.	Product is sold ready to use.
<b>Personal protection</b>		
<b>Eye protection</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	
<b>Hand protection</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	
<b>Skin protection</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	

## Section 8. Exposure controls/personal protection

**Respiratory protection** : No special protection is required.

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

## Section 9. Physical and chemical properties

	<b>Product AS SOLD</b>
<b>Physical state</b>	: Liquid.
<b>Color</b>	: Yellow
<b>Odor</b>	: Fragrance-like
<b>pH</b>	: Not applicable
<b>Flash point</b>	: 68 °C (Closed cup)
<b>Explosion limits</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available.
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 0.832 to 0.954 (Water = 1)
<b>Solubility</b>	: Not available.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Kinematic (room temperature): 0 cm <sup>2</sup> /s (0 cSt)

### Product AT USE DILUTION

Product is sold ready to use.

## Section 10. Stability and reactivity

### Product AS SOLD

**Stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Materials to avoid** : Reactive or incompatible with the following materials: acids and alkalis.

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Inhalation, Ingestion

**Product AS SOLD**

**Symptoms**

**Eye contact** : Adverse symptoms may include the following:  
 pain or irritation  
 watering  
 redness

**Skin contact** : Adverse symptoms may include the following:  
 irritation  
 redness

**Inhalation** : No specific data.

**Ingestion** : No specific data.

**Acute toxicity**

**Eye contact** : Causes serious eye irritation.

**Skin contact** : May cause an allergic skin reaction.

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Product AT USE DILUTION**

Product is sold ready to use.

**Toxicity data**

**Product/ingredient name**

(r)-p-mentha-1,8-diene	LD50 Dermal	Rabbit	>5000 mg/kg
	LD50 Oral	Rat	4400 mg/kg
1,6-octadien-3-ol, 3,7-dimethyl-	LD50 Dermal	Rabbit	5610 mg/kg
	LD50 Oral	Rat	2790 mg/kg

**Chronic toxicity**

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

## Section 12. Ecological information

**Product AS SOLD**

**Ecotoxicity** : This material is toxic to aquatic life with long lasting effects.

**Aquatic and terrestrial toxicity**

Product/ingredient name	Result	Species	Exposure
n-hexyl acetate	Acute LC50 4 mg/l	Fish	96 hours
1,6-octadien-3-ol, 3,7-dimethyl-	Acute LC50 27.8 mg/l	Fish	96 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Product AS SOLD**

**Disposal methods** : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Product AT USE DILUTION**

Product is sold ready to use.



## Section 16. Other information

Prepared by : Regulatory Affairs  
1-800-352-5326

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, **NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.**