

# Material Safety Data Sheet



KEYSTONE ODOUR NEUTRALIZER MANGO

## 1. Product and company identification

Trade name of product : KEYSTONE ODOUR NEUTRALIZER MANGO

Product use : Air Freshener

Product dilution information : Not applicable

Supplier's information : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

Code : 914058-01

Date of issue : 13-November-2013

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

## 2. Hazards identification

### Product AS SOLD

Physical state : Aerosol

Emergency overview : WARNING!

FLAMMABLE AEROSOLS.  
MAY CAUSE EYE IRRITATION.  
CONTENTS UNDER PRESSURE.  
Can cause central nervous system (CNS) depression.  
Intentional misuse by deliberate inhalation may be harmful or fatal.

Avoid contact with eyes. Keep away from heat, sparks and flame. Keep away from heat and direct sunlight. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep container tightly closed.

Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

### Potential acute health effects

#### Product AS SOLD

Eyes : Slightly irritating to the eyes.

Skin : No known significant effects or critical hazards.

Inhalation : High vapour concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Ingestion : May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.

See toxicological information (Section 11)

### Product AT USE DILUTION

Product is sold ready to use.

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### 3. Composition/information on ingredients

#### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
HYDROFLUOROCARBON 152A	75-37-6	30 - 60
ISOPROPYL ALCOHOL	67-63-0	15 - 40
distillates (petroleum), hydrotreated light	64742-47-8	15 - 40
Fragrance.	Mixture	3 - 7

#### Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Product is sold ready to use.		

### 4. First-aid measures

	Product AS SOLD
<b>Eye contact</b>	: Rinse with water for a few minutes.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Product AT USE DILUTION**  
Product is sold ready to use.

### 5. Fire-fighting measures

#### Product AS SOLD

<b>Auto-ignition temperature</b>	: Not available.
<b>Flammable limits</b>	: Not available.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds carbonyl halides
<b>Special remarks on fire hazards</b>	: Not available.
<b>Special remarks on explosion hazards</b>	: Not available.
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.

Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Containers may explode when heated. Ruptured cylinders may rocket.

Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
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## 6. Accidental release measures

	<b>Product AS SOLD</b>
<b>Personal precautions</b>	: Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilt 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.

**Product AT USE DILUTION**  
Product is sold ready to use.

## 7. Handling and storage

	<b>Product AS SOLD</b>
<b>Handling</b>	: Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Liquid and vapour under pressure. Do not puncture or incinerate container. Wash hands after handling.
<b>Storage</b>	: Keep out of reach of children. Store in a closed container. Keep container tightly closed and sealed until ready for use. Do not puncture or incinerate container. Avoid all possible sources of ignition (spark or flame). Do not store above the following temperature: 5°C

**Product AT USE DILUTION**  
Product is sold ready to use.

## 8. Exposure controls/personal protection

	<b>Product AS SOLD</b>
<b>Engineering measures</b>	: No special ventilation requirements.
<b>Personal protection</b>	
<b>Eyes</b>	: No protective equipment is needed under normal use conditions.
<b>Hands</b>	: No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: No special protection is required.

**Product AT USE DILUTION**  
Product is sold ready to use.

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Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	
difluoroethane propan-2-ol	US AIHA 10/2011	1000	-	-	-	-	-	-	-	-	
	US ACGIH 3/2012	200	-	-	400	-	-	-	-	-	
	AB 4/2009	200	492	-	400	984	-	-	-	-	
	BC 4/2012	200	-	-	400	-	-	-	-	-	
	ON 7/2010	200	-	-	400	-	-	-	-	-	
	QC 9/2011	400	983	-	500	1230	-	-	-	-	
distillates (petroleum), hydrotreated light , as total hydrocarbon vapor	US ACGIH 3/2012	-	200	-	-	-	-	-	-	-	[1]
	AB 4/2009	-	200	-	-	-	-	-	-	-	[1]
distillates (petroleum), hydrotreated light , as total hydrocarbon vapour	BC 4/2012	-	200	-	-	-	-	-	-	-	[1]
	ON 7/2010	-	200	-	-	-	-	-	-	-	[1]

[1]Absorbed through skin.

## 9. Physical and chemical properties

	Product AS SOLD
<b>Physical state</b>	: Aerosol
<b>Flash point</b>	: Not applicable.
<b>Colour</b>	: Yellow [Light]
<b>Odour</b>	: Sweetish
<b>pH</b>	: Not applicable.
<b>Boiling/condensation point</b>	: Not available.
<b>Melting/freezing point</b>	: Not available.
<b>Relative density</b>	: 0.8 to 0.8
<b>Vapour pressure</b>	: Not available.
<b>Vapour density</b>	: Not available.
<b>Odour threshold</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Viscosity</b>	: Kinematic (room temperature): 0.06 cm <sup>2</sup> /s (6 cSt) Kinematic (40°C (104°F)): 0.06 cm <sup>2</sup> /s (6 cSt)
<b>Dispersibility properties</b>	: Not available.
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>LogK<sub>ow</sub></b>	: Not available.

### Product AT USE DILUTION

Product is sold ready to use.

## 10. Stability and reactivity

### Product AS SOLD

<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
<b>Conditions of instability</b>	: Not available.
<b>Reactivity</b>	: Not available.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Hazardous polymerisation</b>	: Under normal conditions of storage and use, hazardous polymerisation will not occur.

## 11. Toxicological information

### Potential acute health effects

	Product AS SOLD
<b>Eyes</b>	: Slightly irritating to the eyes.
<b>Skin</b>	: No known significant effects or critical hazards.
<b>Inhalation</b>	: High vapour concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
<b>Ingestion</b>	: May be harmful if swallowed. Ingestion may cause nausea, weakness and central nervous system effects.

### Product AT USE DILUTION

Product is sold ready to use.

### Product AS SOLD

### Potential chronic health effects

<b>Carcinogenic effects</b>	: No known significant effects or critical hazards.
<b>Mutagenic effects</b>	: No known significant effects or critical hazards.

## 11. Toxicological information

**Teratogenic effects** : No known significant effects or critical hazards.  
**Reproductive effects** : No known significant effects or critical hazards.  
**Sensitization to Product** : No known significant effects or critical hazards.  
**Synergistic products (toxicologically)** : Not available.

### Toxicity data

Product/ingredient name	Test	Route	Result	Species
difluoroethane	LC50	Inhalation	>437500 ppm	Rat
propan-2-ol	LD50	Dermal	12870 mg/kg	Rabbit
	LD50	Oral	4710 mg/kg	Rat
	LC50	Inhalation	30 mg/l	Rat
distillates (petroleum), hydrotreated light	LD50	Dermal	>2000 mg/kg	Rabbit
	LD50	Oral	>5000 mg/kg	Rat
	LC50	Inhalation	>5.68 mg/l	Rat

### Other adverse effects

**Target organs** : Contains material which may cause damage to the following organs: central nervous system (CNS).

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

### **Product AS SOLD**

**Waste disposal** : 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.

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### **Product AS SOLD**

#### TDG

**TDG Classification** UN1950  
**TDG Proper shipping name** Limited quantity  
**Class** 2.1  
**Packing group** -

#### IMO/IMDG

**IMO/IMDG Classification** UN1950  
**IMO/IMDG Proper shipping name** AEROSOLS.  
**Class** 2.1  
**Packing group** -

For transport in bulk, see shipping documents for specific transportation information.

## 15. Regulatory information

### Product AS SOLD

**WHMIS** : Class A: Compressed gas.  
Class B-5: Flammable aerosol.

### Product AT USE DILUTION

Product is sold ready to use.

**Canada inventory** : All components are listed or exempted.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. Other information

### Product AS SOLD

**Hazardous Material Information System (U.S.A.)** :

Health	*	1
Flammability		2
Physical hazards		0

**National Fire Protection Association (U.S.A.)** :



**NFPA Aerosol Level** : Level 2

**Date of issue** : 13-November-2013

**Responsible name** : Regulatory Affairs  
1-800-352-5326

☑ Indicates information that has changed from previously issued version.

### 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.