

Material Safety Data Sheet



KEYSTONE ODOR NEUTRALIZER MANDARIN BURST

1. Product and company identification

Trade name of product : KEYSTONE ODOR NEUTRALIZER MANDARIN BURST

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 : 912453-02

Date of issue : 04-September-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 : Liquid.

Emergency overview : WARNING !

CAUSES EYE AND SKIN IRRITATION.
COMBUSTIBLE LIQUID AND VAPOUR.

Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Use only with adequate ventilation. Wash thoroughly after handling.

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

Potential acute health effects

Product AS SOLD

Eyes : Severely irritating to eyes.

Skin : Irritating to skin.

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

See toxicological information (Section 11)

Product AT USE DILUTION

Product is sold ready to use.

Product AT USE DILUTION

Product is sold ready to use.

3. Composition/information on ingredients

Product AS SOLD

Name

3-octanol, 3,7-dimethyl-
dipropylene glycol methyl ether
DECANAL
octyl aldehyde

CAS number

78-69-3
34590-94-8
112-31-2
124-13-0

% by weight

10 - 30
10 - 30
7 - 13
1 - 5

Product AT USE DILUTION

Name

Product is sold ready to use.

CAS number

% by weight

4. First-aid measures

Product AS SOLD		Product AT USE DILUTION
Eye contact	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention.	Product is sold ready to use.
Skin contact	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.	
Inhalation	: No special measures required. Treat symptomatically.	
Ingestion	: Get medical attention if symptoms occur.	

5. Fire-fighting measures

Product AS SOLD

Auto-ignition temperature	: Not available.
Flammable limits	: Not available.
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special remarks on fire hazards	: Not available.
Special remarks on explosion hazards	: Not available.
Fire-fighting media and instructions	: Use dry chemical, CO ₂ , water spray (fog) or foam. 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. 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.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Product AS SOLD		Product AT USE DILUTION
Personal precautions	: Use personal protective equipment as required.	Product is sold ready to use.
Environmental precautions	: Avoid contact of large amounts of spilt material and runoff with soil and surface waterways.	
Methods for cleaning up	: 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.	

7. Handling and storage

	Product AS SOLD
Handling	: Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.
Storage	: Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Store in a closed container. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store between the following temperatures: 5 and 45°C

Product AT USE DILUTION

Product is sold ready to use.

8. Exposure controls/personal protection

	Product AS SOLD
Engineering measures	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits.

Personal protection

Eyes	: Wear eye protection.
Hands	: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.
Skin	: No protective equipment is needed under normal use conditions.
Respiratory	: No special protection is required.

Product AT USE DILUTION

Product is sold ready to use.

Product is sold ready to use.

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			
Ingredient	List name	ppm	mg/m ³	Other	ppm	mg/m ³	Other	ppm	mg/m ³	Other	Notations
dipropylene glycol methyl ether	US ACGIH 3/2012	100	606	-	150	909	-	-	-	-	[1]
	AB 4/2009	100	606	-	150	909	-	-	-	-	[1]
	BC 4/2012	100	-	-	150	-	-	-	-	-	[1]
	ON 7/2010	100	606	-	150	909	-	-	-	-	[1]
	QC 9/2011	100	606	-	150	909	-	-	-	-	[1]

[1] Absorbed through skin.

9. Physical and chemical properties

	Product AS SOLD
Physical state	: Liquid.
Flash point	: 65 °C (Closed cup)
Colour	: Colourless to light yellow [Dark]
Odour	: Fragrance-like
pH	: 7 [Conc. (% w/w): 100%]
Boiling/condensation point	: Not available.
Melting/freezing point	: Not available.
Relative density	: 0.954 to 1.005

Product AT USE DILUTION

Product is sold ready to use.

9. Physical and chemical properties

Vapour pressure : Not available.
 Vapour density : Not available.
 Odour threshold : Not available.
 Evaporation rate : Not available.
 Viscosity : Not available.
 Dispersibility : Not available.
 properties
 Solubility : Not available.
 LogK_{ow} : Not available.

10. Stability and reactivity

Product AS SOLD

Stability : The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
 Conditions of instability : Not available.
 Reactivity : Slightly 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.
 Hazardous polymerisation : Under normal conditions of storage and use, hazardous polymerisation will not occur.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Severely irritating to eyes.
 Skin : Irritating to skin.
 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.

Product AS SOLD

Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards.
 Mutagenic effects : No known significant effects or critical hazards.
 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
dipropylene glycol methyl ether	LD50	Dermal	9510 mg/kg	Rabbit
	LD50	Oral	5135 mg/kg	Rat

Other adverse effects

Target organs : Contains material which may cause damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

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 : Not regulated.

IMO/IMDG

IMO/IMDG Classification : Not regulated.

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

15. Regulatory information

Product AS SOLD
WHMIS : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Class D-2B: Material causing other toxic effects (Toxic).

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	*	2
Flammability		1
Physical hazards		0

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

16. Other information



Date of issue : 04-September-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.