SAFETY DATA SHEET



OASIS 146 MULTI-QUAT SANITIZER

Section 1. Chemical product and company identification

Product name : OASIS 146 MULTI-QUAT SANITIZER

Recommended use and

restrictions

: Sanitizer.

Use only for the purpose on the product label.

Product dilution information : Not applicable

Supplier's information: Ecolab Inc. Institutional Division

370 N. Wabasha Street St. Paul, MN 55102 1-800-352-5326

 Code
 : 910787

 Date of issue
 : 13 Feb 2013

 EPA Registration No.
 : 1677-198

EMERGENCY HEALTH INFORMATION: 1-800-328-0026

Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

Product AS SOLD

GHS Classification : CORROSIVE TO METALS - Category 1

ACUTE TOXICITY: ORAL - Category 4

SKIN CORROSION/IRRITATION - Category 1B SERIOUS EYE DAMAGE/ EYE IRRITATION -

Category 1

AQUATIC TOXICITY (ACUTE) - Category 2

GHS label elements

Signal word : Danger

Symbol :





Hazard statements: May be corrosive to metals.

Harmful if swallowed.

Causes severe skin burns and eye damage.

Toxic to aquatic life.

Precautionary statements

Prevention: Wear protective gloves. Wear eye or face

protection. Wear protective clothing. Keep only in original container. Avoid release to the environment. Wash hands thoroughly after

handling.

Response :

Product AT USE DILUTION

Data not available - Refer to Product AS

SOLD

Section 2. Hazards identification

Absorb spillage to prevent material damage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

Storage : Store in corrosive resistant container with a

resistant inner liner.

Disposal : See section 13 for waste disposal information.

Other hazards : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Product AS SOLD

Eye contact

Hazardous ingredients	Concentration Range (%)	CAS number	
BENZALKONIUM CHLORIDE	3	68424-85-1	
QUATERNIUM-24	2.25	32426-11-2	
DIDECYLDIMONIUM CHLORIDE	1.35	7173-51-5	
1-octanaminium, n,n-dimethyl-n-octyl-, chloride	0.9	5538-94-3	
ALCOHOL	1 - 5	64-17-5	

Product AT USE DILUTION

Hazardous ingredients Concentration Range (%) **CAS** number

Data not available - Refer to Product AS SOLD

Section 4. First aid measures

Product AS SOLD

: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Get medical attention

immediately.

: Take off immediately all contaminated clothing. Skin contact

Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : Remove victim to fresh air and keep at rest in a

position comfortable for breathing. Get medical

attention immediately.

: Get medical attention immediately. Rinse mouth. Ingestion

Do not induce vomiting.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Section 4. First aid measures

Protection of firstaiders : 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.

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media

: Use water spray, fog or foam.

Specific hazards arising from the chemical

: In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides

halogenated compounds

Specific fire-fighting methods

: 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.

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

Section 6. Accidental release measures

Product AS SOLD

Personal precautions

: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.

Environmental precautions Methods for cleaning up

: Avoid contact of spilled material and runoff with soil and surface waterways.

: Follow company's spill procedures. Keep people away from spill. Put on appropriate personal protective equipment (see section 8). Absorb/ neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Use a water rinse for final clean-up.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Section 7. Handling and storage

Product AS SOLD

Handling : Do not ingest. Do not get in eyes or on skin or

clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after

handling.

Storage: Keep out of reach of children.

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Page: 3/8

Section 7. Handling and storage

Store between the following temperatures: 0 and 50°C

Section 8. Exposure controls/personal protection

Control parameters

Ingredient name	Exposure limits
ALCOHOL	ACGIH TLV (United States, 3/2012). STEL: 1000 ppm 15 minutes. OSHA PEL (United States, 6/2010). TWA: 1900 mg/m³ 8 hours. TWA: 1000 ppm 8 hours. NIOSH REL (United States, 6/2009). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m³ 10 hours.

Product AS SOLD

Appropriate engineering controls

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor 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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Personal protection

Eye protection

: Use chemical splash goggles. For continued or severe exposure wear a face shield over the

goggles.

Hand protection : Use chemical-resistant, impervious gloves.

Skin protection : Use suitable protective equipment.

Respiratory protection

: A respirator is not needed under normal and

intended conditions of product use. 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

Product AS SOLD

Physical state : Liquid.

Color : Red

Odor : disinfectant

pН : 7.7 (100%)

Flash point : > 100°C

Explosion limits : Not available.

Product AT USE DILUTION

Product AT USE DILUTION

SOLD

Data not available - Refer to Product AS

Data not available - Refer to Product AS SOLD

Section 9. Physical and chemical properties

Flammability (solid, : Not available.

gas)

Melting point : Not available. **Boiling point** : 100°C (212°F) **Evaporation rate** : Not available.

(butyl acetate = 1)

Vapor pressure : Not available. Vapor density : Not available. Relative density : 0.998 (Water = 1)

Solubility : Easily soluble in the following materials: cold

water and hot water.

Partition coefficient: : Not available.

n-octanol/water

Auto-ignition temperature

: Not available.

Decomposition

: Not available.

temperature

Odor threshold : Not available. Viscosity : Not available.

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 : No specific data. Materials to avoid : Not available.

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 watering redness

Skin contact : Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

Inhalation : Adverse symptoms may include the following:

coughing

Respiratory tract irritation

Ingestion : Adverse symptoms may include the following:

stomach pains

Acute toxicity

Eye contact : Causes serious eye damage.

Skin contact

Product AT USE DILUTION

Data not available - Refer to Product AS SOLD

Section 11. Toxicological information

Causes severe burns.

Inhalation : May give off gas, vapor or dust that is very

irritating or corrosive to the respiratory system.

Ingestion: Harmful if swallowed. May cause burns to mouth,

throat and stomach.

Toxicity data

Product/ingredient name	Result	Species	Dose
quaternary ammonium compounds, benzyl-c12-c16-alkyldimethyl, chlorides	LD50 Dermal	Rabbit	3340 mg/kg
•	LD50 Oral	Rat	344 mg/kg
1-decanaminium, n,n-dimethyl-n-octyl-, chloride	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	238 mg/kg
ethanol	LC50 Inhalation Vapor	Rat	117 mg/l
	LD50 Dermal	Rabbit	15800 mg/kg
	LD50 Oral	Rat	10470 mg/kg
didecyldimethylammonium chloride	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal	Rabbit	2930 mg/kg
	LD50 Oral	Rat	1150 mg/kg
1-octanaminium, n,n-dimethyl-n-octyl-, chloride	LC50 Inhalation Dusts and mists	Rat	0.07 mg/l
	LD50 Dermal LD50 Oral	Rabbit Rat	2930 mg/kg 238 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.

No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD

Ecotoxicity: This material is toxic to aquatic life.

Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
quaternary ammonium compounds, benzyl- c12-c16-alkyldimethyl, chlorides	Acute LC50 0.515 mg/l	Fish	96 hours
1-decanaminium, n,n-dimethyl-n-octyl-, chloride	Acute LC50 <1 mg/l	Fish	96 hours
ethanol	Acute LC50 11000 mg/l	Fish	96 hours
didecyldimethylammonium chloride 1-octanaminium, n,n-dimethyl-n-octyl-, chloride	Acute LC50 <1 mg/l Acute EC50 0.1 mg/l	Fish Daphnia	96 hours 48 hours

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

Page: 6/8

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

Data not available - Refer to Product AS SOLD

Section 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.

DOT

DOT Classification Not regulated.

IMO/IMDG

IMO/IMDG Classification Not regulated.

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

Product AT USE DILUTION

Not intended for transport.

Section 15. Regulatory information

Product AS SOLD

U.S. Federal regulations

TSCA 8(b) inventory : All components are listed or exempted.

EPA Registration No. : 1677-198

SARA 302/304/311/312 extremely hazardous substances: No listed substance SARA 302/304 emergency planning and notification: No listed substance

SARA 313 Product name CAS number Concentration

Form R - Reporting

requirements

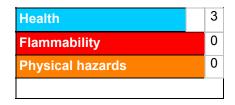
: No listed substance

<u>California Prop. 65</u> : No listed substance

Section 16. Other information

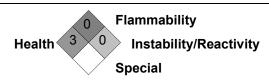
Product AS SOLD

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



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

Section 16. Other information



Date of issue : 13 Feb 2013
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.

Page: 8/8