

Material Safety Data Sheet



OASIS 255 SF

Section 1. Chemical product and company identification

Trade name : OASIS 255 SF
Product use : Glass Cleaner
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 909986
Date of issue : 02-January-2009

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

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
2-butoxyethanol	111-76-2	9
ammonia	1336-21-6	1
2-propanol, 1-propoxy-	1569-01-3	5 - 20
2-aminoethanol	141-43-5	1 - 5

Section 3. Hazards identification

Physical state : Liquid. [Liquid.]
Emergency overview : WARNING!
CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Can cause central nervous system (CNS) depression.
Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Eyes : Severely irritating to eyes.
Skin : Irritating to skin.
Inhalation : Irritating to respiratory system. High vapor 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)

Section 4. First aid measures

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 immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation : If inhaled, remove to fresh air. If exposed person is not breathing, give artificial respiration or oxygen applied by trained personnel. Get medical attention if irritation persists.

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

- Flash point** : 98.8889 °C (Closed cup)
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Dike area of fire to prevent runoff.
In a fire or if heated, a pressure increase will occur and the container may burst.
- 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.

Section 6. Accidental release measures

- Personal precautions** : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.
Store between the following temperatures: -10 and 50°C

Section 8. Exposure controls/personal protection

- Engineering measures** : 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.

Personal protection :

- Eyes** : Wear eye protection.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : Avoid breathing vapors, spray or mists.

Name

2-butoxyethanol

Exposure limits

ACGIH TLV (United States, 1/2008).

TWA: 20 ppm 8 hour(s).

OSHA PEL (United States, 11/2006). Absorbed through skin.

TWA: 240 mg/m³ 8 hour(s).

TWA: 50 ppm 8 hour(s).

2-aminoethanol

ACGIH TLV (United States, 1/2008).

STEL: 15 mg/m³ 15 minute(s).

STEL: 6 ppm 15 minute(s).

TWA: 7.5 mg/m³ 8 hour(s).

TWA: 3 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).

TWA: 6 mg/m³ 8 hour(s).

TWA: 3 ppm 8 hour(s).

Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Color	: Blue.
Odor	: Ammoniacal.
pH	: 11.2 [Conc. (% w/w): 100%]
Boiling/condensation point	: 100°C (212°F)
Relative density	: 0.994
Dispersibility properties	: Easily dispersible in the following materials: cold water and hot water.
Solubility	: Easily soluble in the following materials: cold water and hot water.

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: organic materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Severely irritating to eyes.
Skin	: Irritating to skin.
Inhalation	: Irritating to respiratory system. High vapor 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.

Potential chronic health effects

Target organs	: Contains material which causes damage to the following organs: kidneys, liver. Contains material which may cause damage to the following organs: blood, lungs, lymphatic system, upper respiratory tract, central nervous system (CNS).
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Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal	: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
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Consult your local or regional authorities.

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.

UN Classification Not regulated.

See shipping documents for specific transportation information.

Section 15. Regulatory information

HCS Classification : Irritating material
Target organ effects

U.S. Federal regulations : **SARA 302/304/311/312 extremely hazardous substances:** No products were found.
SARA 302/304 emergency planning and notification: No products were found.
TSCA 8(b) inventory : All components are listed or exempted.

SARA 313	Product name	CAS number	Concentration
Form R - Reporting requirements :	2-butoxyethanol	111-76-2	9
	ammonia	1336-21-6	0.672 - 1.44

California Prop. 65 : No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	*	2
	Flammability		0
	Physical hazards		0

Date of issue : 02-January-2009.
Responsible name : Regulatory Affairs
Date of previous issue : 23-December-2005.

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.