

Material Safety Data Sheet



OASIS COMPAC 41 GLASS CLEANER - AMMONIATED

Section 1. Chemical product and company identification

Trade name : OASIS COMPAC 41 GLASS CLEANER - AMMONIATED
Product use : Cleaning product
Supplier : Ecolab Inc. International Division
370 N. Wabasha Street
St. Paul, MN 55102
Code : 914390-05
Date of issue : 09-January-2008

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	11
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 SEVERE EYE IRRITATION.
CAUSES RESPIRATORY TRACT AND SKIN IRRITATION.
COMBUSTIBLE LIQUID AND VAPOR.
HARMFUL IF SWALLOWED. MAY BE FATAL IF SWALLOWED. Aspiration hazard if swallowed. Can enter lungs and cause damage.
Can cause central nervous system (CNS) depression.
Do not ingest. Avoid contact with skin and clothing. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. 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 : Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. 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 : Flush contaminated skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists. Remove contaminated clothing and shoes. 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. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.

Section 5. Fire fighting measures

Flash point : 60 °C (Closed cup)
Product does not support combustion.

Fire-fighting media and instructions : In case of fire, use water spray (fog), foam, dry chemical, or CO₂.
Dike liquid for later disposal.
Combustible liquid and vapor.

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 : Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. 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 : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

Handling : Do not ingest. Avoid contact with eyes, skin and clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.

Storage : Keep out of the reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Do not store above the following temperature: 50°C

Section 8. Exposure controls, personal protection

Engineering measures : Use only with adequate ventilation. 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, vapor 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 : Avoid breathing vapors, spray or mists.

Name

Exposure limits

2-butoxyethanol

ACGIH TLV (United States, 1/2006).

TWA: 20 ppm 8 hour(s).

OSHA PEL (United States, 11/2006). Skin

TWA: 240 mg/m³ 8 hour(s).

TWA: 50 ppm 8 hour(s).

2-aminoethanol

ACGIH TLV (United States, 1/2006).

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 : 10.4 to 12.0 [Conc. (% w/w): 100%]
 Specific gravity : 0.992

Section 10. Stability and reactivity

Stability : The product is stable.
 Reactivity : Reactive with acids.
 Slightly reactive to reactive with organic materials, metals.
 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 : Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause nausea, weakness and central nervous system effects.

Potential chronic health effects

Chronic effects on humans : Contains material which causes damage to the following organs: blood, kidneys, lungs, liver, lymphatic system, upper respiratory tract, central nervous system (CNS).

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.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	Not regulated.	-	-	-	Not available.

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification	: Combustible liquid 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 materials are listed or exempt.	
SARA 313	Product name	Concentration
Form R - Reporting requirements	: 2-butoxyethanol ammonia	10.88 0.819 - 1.755
California Prop. 65	: No products were found.	

Section 16. Other information

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

Date of issue : 09-January-2008.
Responsible name : Regulatory Affairs
Date of previous issue : No previous validation.

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.