

Material Safety Data Sheet



OASIS PRO 42 GLASS FORCE PROFESSIONAL STRENGTH GLASS CLEANER

1. Product and company identification

Trade name of product : OASIS PRO 42 GLASS FORCE PROFESSIONAL STRENGTH GLASS CLEANER
Product use : Glass Cleaner

Product dilution information : Up to 8oz/gal in water

Supplier's information : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 910578

Date of issue : 08-September-2010

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

2. Hazards identification

Physical state : Liquid.
Emergency overview : CAUTION!

Product AS SOLD

MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
COMBUSTIBLE LIQUID AND VAPOR.
HARMFUL OR FATAL IF SWALLOWED.
ASPIRATION HAZARD.
CAN ENTER LUNGS AND CAUSE DAMAGE.
Can cause central nervous system (CNS) depression.

Do not ingest. Avoid contact with eyes, 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.

Product AT USE DILUTION

Liquid.
CAUTION !

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after handling.

Potential acute health effects

Eyes : Moderately irritating to eyes.
Skin : Moderately irritating to the skin.

Inhalation : Moderately irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Ingestion : May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause nausea, weakness and central nervous system effects.

Product AT USE DILUTION

Slightly irritating to the eyes.
No known significant effects or critical hazards.
No known significant effects or critical hazards.
No known significant effects or critical hazards.

See toxicological information (section 11)

3. Composition/information on ingredients

Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
PROPYLENE GLYCOL PROPYL ETHER	1569-01-3	20 - 50
ETHANOLAMINE	141-43-5	1 - 5
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	68585-47-7	1 - 5

Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
PROPYLENE GLYCOL PROPYL ETHER	1569-01-3	1 - 5

4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.	Rinse with water for a few minutes.
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.	No known effect after skin contact. Rinse with water for a few minutes.
Inhalation	: If inhaled, remove to fresh air.	No special measures required. Treat symptomatically.
Ingestion	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. 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.	Get medical attention if symptoms occur.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products

- : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Fire-fighting media and instructions

- : Use dry chemical, CO₂, water spray (fog) or foam.

Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff.

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.

Product AS SOLD		Product AT USE DILUTION
Personal precautions	: Use personal protective equipment as required.	Use personal protective equipment as required.
Environmental precautions	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled 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.	Use a water rinse for final clean-up.

<p>Handling</p>	<p>Product AS SOLD</p> <p>: Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.</p>	<p>Product AT USE DILUTION</p> <p>Avoid contact with eyes. Wash thoroughly after handling.</p>
	<p>Storage</p>	<p>: 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). Do not store above the following temperature: 50°C</p>

Product AS SOLD		Product AT USE DILUTION
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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<u>Personal protection</u>		
Eyes	: Safety eyewear should be used when there is a likelihood of exposure.	No protective equipment is needed under normal use conditions.
Hands	: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.	No protective equipment is needed under normal use conditions.
Skin	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
Respiratory	: Avoid breathing vapors, spray or mists.	No special protection is required.

Ingredient	Exposure limits

8. Exposure controls/personal protection

ETHANOLAMINE

ACGIH TLV (United States, 1/2009).

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).

9. Physical and chemical properties

Product AS SOLD

Physical state : Liquid.

Flash point : 61.6667 °C (Closed cup)
Product does not support combustion.

Color : Blue.

Odor : Pungent.

pH : 10.7 [Conc. (% w/w): 100%]

Relative density : 0.996

Product AT USE DILUTION

Liquid.

>100 °C (Closed cup)

Blue. [Light]

Pungent.

10.4 to 10.5 [Conc. (% w/w): 100%]

10. Stability and reactivity

Product AS SOLD

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.

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.

11. Toxicological information

Potential acute health effects

Product AS SOLD

Eyes : Moderately irritating to eyes.

Skin : Moderately irritating to the skin.

Inhalation : Moderately irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Ingestion : May be harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Ingestion may cause nausea, weakness and central nervous system effects.

Product AT USE DILUTION

Slightly irritating to the eyes.

No known significant effects or critical hazards.

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Product AS SOLD

Other adverse effects

Target organs : Contains material which causes damage to the following organs: kidneys, liver.
Contains material which may cause damage to the following organs: upper respiratory tract, 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

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

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

IMO/IMDG Classification : Not regulated.

See shipping documents for specific transportation information.

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

Product AS SOLD
HCS Classification : Combustible liquid
Irritating material
Target organ effects

Product AT USE DILUTION

Irritating material

Product AS SOLD

U.S. Federal regulations

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

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

California Prop. 65 : No listed substance

16. Other information

Product AS SOLD
Hazardous Material Information System (U.S.A.) :

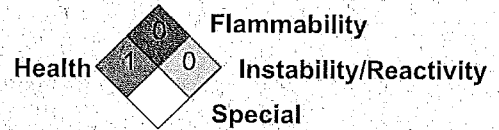
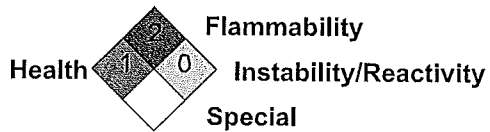
Health	*	1
Flammability		1
Physical hazards		0

Product AT USE DILUTION

Health		1
Flammability		0
Physical hazards		0

16. Other information

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



Date of issue : 08-September-2010
Date of previous issue : 8 September 2010
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.