

# Material Safety Data Sheet

ECOLAB®

ENVERROS GLASSCLENE PRO

## Section 1. Chemical product and company identification

Trade name : ENVERROS GLASSCLENE PRO  
Product use : Glass Cleaner  
Supplier : Ecolab Inc. Professional Products Division  
370 N. Wabasha St.  
St. Paul, MN 55102  
1-800-247-5362  
Code : 908014-02  
Date of issue : 21-April-2006

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

Name	CAS number	% by weight
propan-2-ol	67-63-0	6
ammonia	1336-21-6	1
1-methoxy-2-propanol	107-98-2	5 - 20

## Section 3. Hazards identification

Physical state : Liquid. (Liquid.)  
Emergency overview : WARNING!  
  
CAUSES EYE IRRITATION.  
MAY CAUSE SKIN IRRITATION.  
COMBUSTIBLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FIRE.  
Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.  
**Potential acute health effects**  
Eyes : Irritating to eyes.  
Skin : Moderately irritating to the skin.  
Inhalation : Slightly irritating to the respiratory system.  
Ingestion : May be harmful if swallowed.  
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.  
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.  
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

## Section 5. Fire fighting measures

Flash point	: 40 °C (Closed cup)
Fire-fighting media and instructions	: In case of fire, use water spray (fog), foam, dry chemical, or CO <sub>2</sub> . 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.
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	: 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 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). Store between 50 and 50°C

## Section 8. Exposure controls, personal protection

Engineering controls	: Good general ventilation should be sufficient to control airborne levels.
----------------------	---

### 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	: A respirator is not needed under normal and intended conditions of product use.

### Name

1-methoxy-2-propanol

### Exposure limits

#### ACGIH TLV (United States, 1/2005).

STEL: 553 mg/m<sup>3</sup> 15 minute/minutes. Form: All forms

STEL: 150 ppm 15 minute/minutes. Form: All forms

TWA: 369 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 100 ppm 8 hour(s). Form: All forms

#### ACGIH TLV (United States, 1/2005).

STEL: 400 ppm 15 minute/minutes. Form: All forms

TWA: 200 ppm 8 hour(s). Form: All forms

#### OSHA PEL (United States, 8/1997).

TWA: 980 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 400 ppm 8 hour(s). Form: All forms

propan-2-ol

## Section 9. Physical and chemical properties

Physical state	: Liquid. (Liquid.)
Color	: Green.
Odor	: Ammoniacal.
pH	: 11.5 (100%)
Boiling/condensation point	: >35 °C
Specific gravity	: 0.986 (Water = 1)

## Section 10. Stability and reactivity

Stability : The product is stable.

## Section 11. Toxicological information

### Potential acute health effects

Eyes	: Irritating to eyes.
Skin	: Moderately irritating to the skin.
Inhalation	: Slightly irritating to the respiratory system.
Ingestion	: May be harmful if swallowed.

### Potential chronic health effects

Chronic effects on humans : Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

## Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub> etc.).

## 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.

Waste classification : Unused product is D001 (Ignitable)

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.	-	-	-	-

### 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	<u>Product name</u>
Form R - Reporting requirements:	<u>Concentration</u> ammonia 1.29
California Prop. 65	: No products were found.

## Section 16. Other information

Hazardous Material Information System (U.S.A.)	:	<table><tr><td>Health</td><td>2</td></tr><tr><td>Fire hazard</td><td>2</td></tr><tr><td>Reactivity</td><td>0</td></tr><tr><td>Personal protection</td><td>B</td></tr></table>	Health	2	Fire hazard	2	Reactivity	0	Personal protection	B
Health	2									
Fire hazard	2									
Reactivity	0									
Personal protection	B									

Date of issue : 21-April-2006.

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.