

Material Safety Data Sheet

ECOLAB

AUTOMATIC DRAIN RELIEF

Section 1. Chemical product and company identification

Trade name : AUTOMATIC DRAIN RELIEF
Product use : Drain Cleaner
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5325
981886
Code : 07-December-2005
Date of issue : 07-December-2005

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
proper-2-ol	67-63-0	2

Section 3. Hazards identification

Physical state : Liquid (Liquid)
Emergency overview : CAUTION

MAY CAUSE RESPIRATORY TRACT AND EYE IRRITATION.
COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FIRE.

Repeated or prolonged contact with irritants may cause dermatitis.
Avoid contact with eyes. 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 : Moderately irritating to eyes.
Skin : Slightly irritating to the skin.
Inhalation : Moderately irritating to the respiratory system.
Ingestion : No known significant effects or critical hazards.
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 if irritation persists.
Skin contact : Wash with soap and water. Get medical attention if irritation develops. Wash clothing before reuse.
Inhalation : If inhaled, remove to fresh air.
Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

Section 5. Fire fighting measures

Flash point : 67.2222 °C (Closed cup)
Flame hazards in the presence of various substances : Because of the large amount of water contained in the product, it may be combustible only after partial or complete dehydration.
Fire-fighting media and instructions : In case of fire, use water spray (fog), foam, dry chemicals, or CO₂.
Dike area of fire to prevent runoff.

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Combustible liquid and vapor. May burn, but does not ignite readily. Under high temperatures or under moderate heating might release vapor in sufficient quantities to produce hazardous atmospheres with air.
Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece 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. Prevent entry into sewers, water courses, basements or confined areas.
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. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. To avoid fire, minimize 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 50°C

Section 8. Exposure controls, personal protection

Engineering controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
Personal protection : Eye protection recommended.
Eyes : No protective equipment is needed under normal use conditions.
Skin : No protective equipment is needed under normal use conditions.
Respiratory : Avoid breathing vapor or mist.
Name : proper-2-ol
Exposure limits : ACGIH TLV (United States, 1/2004): STEL: 400 ppm 15 minute/inhalation. Form: All forms
TWA: 200 ppm 8 hours/hours. Form: All forms
OSHA PEL (United States, 8/1997): TWA: 980 mg/m³ 8 hours/hours. Form: All forms
TWA: 400 ppm 8 hours/hours. Form: All forms

Section 9. Physical and chemical properties

Physical state : Liquid (Liquid)
Color : Amber.
Odor : Alcohol-like.
pH : 7 (100%)
Specific gravity : 1 (Water = 1)

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Section 10. Stability and reactivity

Stability : The product is stable.

Section 11. Toxicological information

Potential acute health effects

Eyes : Moderately irritating to eyes.

Skin : Slightly irritating to the skin.

Inhalation : Moderately irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

Potential chronic health effects

Chronic effects on humans : Contains material which causes damage to the following organs: 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, CO₂) and water.

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized whenever 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	Not				
Classification					regulated.

Section 15. Regulatory information

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

U.S. Federal regulations

: Target organ effects
: SAFA 302/304/311/312 extremely hazardous substances: None.
: SAFA 302/304 emergency planning and notification: None.

TSCA 8(b) Inventory

: All materials are listed or exempt.

SARA 313

Form R - Reporting requirements : propen-2-ol

California Prop. 65

: No products were found.

Section 16. Other information

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

Health	1
Fire hazard	2
Reactivity	0
Personal protection	A

Date of issue : 07-December-2005.
Responsible name : Regulatory Affairs

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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 regulators 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.