

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
 Code : 981886
 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
 propen-2-ol 67-63-0 2

Section 3. Hazards identification

Physical state : Liquid (Liquid)
 Emergency : CAUTION
 overview

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)
 Fire hazards in the presence : Because of the large amount of water contained in the product, it may be of various substances 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.
 Special protective equipment : 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 : 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 : 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 : Exposure limits
 propen-2-ol
 ACGIH TLV (United States, 1/2004)
 STEL: 400 ppm 15 minute/inhalation. Form: All forms
 TWA: 200 ppm 8 hours/8 hours. Form: All forms
 OSHA PEL (United States, 81997)
 TWA: 980 mg/m³ 8 hours/8 hours. Form: All forms
 TWA: 400 ppm 8 hours/8 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.				

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
 : SAHA 302/304/311/312 extremely hazardous substances: None.
 TSCA 8(b) inventory : SAHA 302/304 emergency planning and notification: None.
 SARA 313 : All materials are listed or exempt.
 Form R - Reporting requirements : Product name
 California Prop. 65 : propen-2-ol
 : No products were found.
 Concentration
 2.475

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 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.