

# Material Safety Data Sheet



KEYSTONE ALL PURPOSE CLEANER

## Section 1. Chemical product and company identification

**Trade name** : KEYSTONE ALL PURPOSE CLEANER

**Product use** : Cleaning solutions.

**Supplier** : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326

**Code** : 913905-01

**Date of issue** : 28-January-2005

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**

**Outside United States and Canada CALL 1-651-222-5352**

## Section 2. Composition, Information on Ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
benzenesulfonic acid, dodecyl-, compd. with 2,2',2''-nitrilotriethanol	27323-41-7	7 - 13
propan-2-ol	67-63-0	1 - 5

## Section 3. Hazards identification

**Physical state** : Liquid.

**Emergency overview** : CAUTION

COMBUSTIBLE LIQUID AND VAPOUR.  
VAPOUR MAY CAUSE FLASH FIRE.  
MAY CAUSE EYE AND SKIN IRRITATION.

Avoid contact with skin and clothing. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation.  
Wash thoroughly after handling.

**Routes of entry** : Skin contact, Eye contact, Inhalation, Ingestion

### Potential acute health effects

**Eyes** : Moderately irritating to eyes.

**Skin** : Moderately irritating to the skin.

**Inhalation** : Slightly 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 occurs. 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 large quantities of this material are swallowed, call a physician immediately.

## Section 5. Fire fighting measures

- Auto-ignition temperature** : Not available.
- Flash point** : 60 °C (Closed cup)
- Flammable limits**
- Upper:** Not available.
- Lower:** Not available.
- Products of combustion** : Not available.
- Fire-fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub> extinguisher or spray.
- Dike area of fire to prevent product run-off.
- Combustible liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- 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.
- Risks of explosion of the product in presence of mechanical impact: Not available.
- Risks of explosion of the product in presence of static discharge: Not available.

## Section 6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- 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 sealed, 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 away from heat, sparks and flame. To avoid fire, minimise 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 vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

### Personal protection

- Eyes** : Eye protection recommended.
- Hands** : For prolonged or repeated handling, use Impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : No protective equipment is needed under normal use conditions.

**Name** **Exposure limits**

propan-2-ol

ACGIH TLV (United States, 1/2004). Notes: ACGIH 2003  
Adoption Refers to Appendix A -- Carcinogens.

STEL: 400 ppm 15 minute(s). Form: All forms

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

## Section 9. Physical and chemical properties

Physical state	: Liquid.
Colour	: Red. (Dark.)
Odour	: citrus
pH	: 7.5 (100%)
Boiling/condensation point	: Not available.
Melting/freezing point	: Not available.
Specific gravity	: 1.007 (Water = 1)
Vapour pressure	: Not applicable.
Vapour density	: Not available.
Odour threshold	: Not available.
Evaporation rate	: Not available.
LogK <sub>ow</sub>	: Not available.
Solubility	: Easily soluble in cold water, hot water.

## Section 10. Stability and reactivity

Stability	: The product is stable.
Conditions of instability	: Not available.
Incompatibility with various substances	: Not available.
Hazardous Decomposition Products	: Not available.

## Section 11. Toxicological information

### Potential acute health effects

Eyes	: Moderately irritating to eyes.
Skin	: Moderately irritating to the skin.
Inhalation	: Slightly irritating to the respiratory system.
Ingestion	: No known significant effects or critical hazards.
Irritancy of Product	: Hazardous by WHMIS criteria.

### Potential chronic health effects

Carcinogenic effects	: No known significant effects or critical hazards.
Mutagenic effects	: No known significant effects or critical hazards.
Teratogenic effects	: No known significant effects or critical hazards.
Reproductive effects	: No known significant effects or critical hazards.
Sensitization to Product	: No known significant effects or critical hazards.
Synergistic Products (Toxicologically)	: Not available.

### Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
------------------------	-------------	---------------	--------------	----------------

benzenesulfonic acid,	LD50	>10800 mg/kg	Oral	Rat
dodecyl-, compd. with	LD50	>23220 mg/kg	Dermal	Rabbit
2,2',2"-nitrilotriethanol				
propan-2-ol	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LDLo	1537 mg/kg	Oral	Dog
	LDLo	3570 mg/kg	Oral	human
	LDLo	5272 mg/kg	Oral	man

**Target organs** : 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

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
propan-2-ol	Pimephales promelas (EC50)	48 hour(s)	10000 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	6550 mg/l
	Pimephales promelas (LC50)	96 hour(s)	9640 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	11130 mg/l

**Products of degradation** : These products are carbon oxides (CO, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...), sulphur oxides (SO<sub>2</sub>, SO<sub>3</sub>, etc.).

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimised 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
<b>TDG Classification</b>	Not regulated.	-	-	-	-

**APPLIES ONLY DURING ROAD TRANSPORT**

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

## Section 15. Regulatory information

**WHMIS** : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).  
Class D-2B: Material causing other toxic effects (TOXIC).

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

## Section 16. Other information

**Date of issue** : 28-January-2005.

**Responsible name** : Regulatory Affairs

**Date of previous issue** : 27-January-2005.

### 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.**