

# Material Safety Data Sheet



KEYSTONE DEGREASER/OVEN CLEANER

## Section 1. Chemical product and company identification

Trade name : KEYSTONE DEGREASER/OVEN CLEANER  
Product use : Degreaser  
Supplier : Ecolab Co.  
5105 Tomken Road  
Mississauga ON L4W 2X5  
1-800-352-5326  
Code : 905117-04  
Date of issue : 01-November-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

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
sodium hydroxide	1310-73-2	5- 10
d-gluconic acid, monosodium salt	527-07-1	1 - 5
2-aminoethanol	141-43-5	0.5 - 1.5

## Section 3. Hazards identification

Physical state : Liquid. (Liquid.)  
Emergency overview : DANGER!  
CAUSES EYE AND SKIN BURNS.  
CAUSES SEVERE RESPIRATORY TRACT IRRITATION.  
HARMFUL IF SWALLOWED.  
Do not ingest. Do not get in eyes or on skin or clothing. Avoid breathing vapour or mist. 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 : Corrosive to eyes.  
Skin : Corrosive to the skin.  
Inhalation : Severely irritating to the respiratory system.  
Ingestion : Harmful if swallowed. Causes burns to mouth, throat and stomach.

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 immediately.  
Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.  
Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.  
Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.



sodium hydroxide	<b>ACGIH TLV (United States, 1/2004).</b> CEIL: 2 mg/m <sup>3</sup>
2-aminoethanol	<b>ACGIH TLV (United States, 1/2004).</b> STEL: 15 mg/m <sup>3</sup> 15 minute/minutes. Form: All forms STEL: 6 ppm 15 minute/minutes. Form: All forms TWA: 7.5 mg/m <sup>3</sup> 8 hour(s). Form: All forms TWA: 3 ppm 8 hour(s). Form: All forms

## Section 9. Physical and chemical properties

Physical state	: Liquid. (Liquid.)
Colour	: Orange. (Dark.)
Odour	: Odourless.
pH	: 13.5 (100%)
Boiling/condensation point	: Not available.
Melting/freezing point	: Not available.
Specific gravity	: 1.08 (Water = 1)
Vapour pressure	: Not applicable.
Vapour density	: Not available.
Odour threshold	: Not available.
Evaporation rate	: Not available.
LogK <sub>ow</sub>	: Not available.
Dispersibility properties	: Easily dispersed in cold water, hot water.
Solubility	: Easily soluble in cold water, hot water.

## Section 10. Stability and reactivity

Stability	: The product is stable.
Conditions of instability	: Not available.
Reactivity	: Extremely reactive or incompatible with acids. Reactive with metals.
Incompatibility with various substances	: Not available.
Hazardous Decomposition Products	: Not available.

## Section 11. Toxicological information

### Potential acute health effects

Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin.
Inhalation	: Severely irritating to the respiratory system.
Ingestion	: Harmful if swallowed. Causes burns to mouth, throat and stomach.
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>
sodium hydroxide	LDLo	500 mg/kg	Oral	Rabbit
2-aminoethanol	LD50	1720 mg/kg	Oral	Rat
	LD50	620 mg/kg	Oral	Guinea pig
	LD50	700 mg/kg	Oral	Mouse
	LDLo	1400 mg/kg	Oral	Mammal

**Target organs** : 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

### Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-aminoethanol	Oncorhynchus mykiss (LC50)	96 hour(s)	150 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	>200 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	329.16 mg/l
	Pimephales promelas (LC50)	96 hour(s)	2070 mg/l

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

## Section 13. Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt 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
TDG Classification	UN1719	CAUSTIC ALKALI LIQUID, N.O.S. (Sodiumhydroxide, Monoethanolamine)	8	II	<p><u>Passenger Carrying Road or Rail Index</u> 1</p> <p><u>Special provisions</u> 16</p>

### APPLIES ONLY DURING ROAD TRANSPORT

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

## Section 15. Regulatory information

**WHMIS** : Class D-2B: Material causing other toxic effects (Toxic).  
Class E: Corrosive material.

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** : 01-November-2005.

**Responsible name** : Regulatory Affairs

**Date of previous issue** : 31-October-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.