

# Material Safety Data Sheet

## Concentrated all purpose cleaner 35

### 1. Product and company identification

**Common name** : Concentrated all purpose cleaner 35

**Material uses** : Concentrated cleaner, degreaser.

**Supplier/Manufacturer** : V-TO Inc.  
2975, Nelson  
Saint-Hyacinthe  
QC J2S 1Y5  
Tél: (450) 774-6849  
Fax:(450) 774-4334

**In case of emergency** : CANUTEC (613) 996-6666 (Canada)

**MSDS authored by:** : Atrion Regulatory Services, Inc.

08/15/2007

### 2. Hazards identification

**Physical state** : Liquid.

**Hazard status** : This material is classified hazardous under OSHA regulations in the United States and the WHMIS Controlled Product Regulation in Canada.

**Emergency overview** : WARNING !  
CAUSES SEVERE EYE IRRITATION.  
CAUSES SKIN IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.  
COMBUSTIBLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FIRE.

Combustible liquid. Harmful if swallowed. Severely irritating to eyes. Irritating to skin. Keep away from heat, sparks and flame. Do not ingest. Do not get in eyes. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Use only with adequate ventilation. Wash thoroughly after handling.

**Routes of entry** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

**Eyes** : Severely irritating to eyes. Risk of serious damage to eyes.

**Skin** : Irritating to skin.

**Inhalation** : No known significant effects or critical hazards.

**Ingestion** : May be harmful if swallowed.

**Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
Mutagenic effects: Not available.  
Teratogenic effects: Not available.

**Medical conditions aggravated by over-exposure** : Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and skin irritation.

See toxicological information (section 11)

### 3. Composition/information on ingredients

#### United States

Name	CAS number	%
Silicic acid, sodium salt	1344-09-8	1 - 5
2-(2-Butoxyethoxy)ethanol	112-34-5	1 - 5
Alcohols, C12-15, Ethoxylated	68131-39-5	1 - 5

## Canada

Name	CAS number	%
Silicic acid, sodium salt	1344-09-8	1 - 5
2-(2-Butoxyethoxy)ethanol	112-34-5	1 - 5
Alcohols, C12-15, Ethoxylated	68131-39-5	1 - 5

## 4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water. Get medical attention.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

## 5 . Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Products of combustion** : Decomposition products may include the following materials: carbon oxides
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- 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.

## 6 . Accidental release measures

- Personal precautions** : Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).  
Place spilled material in an appropriate container for disposal.

## 7 . Handling and storage

- Handling** : Follow good industrial hygiene practice.
- Storage** : Keep container in a cool, well-ventilated area.

## 8 . Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

- Engineering measures** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
- Eyes** : Splash goggles.
- Skin** : Wear appropriate personal protective suit.
- Respiratory** : Not required under normal conditions of uses.
- Hands** : Nitrile rubber.



- HMIS Code/Personal protective equipment** : B
- Personal protection in case of a large spill** : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

## 9 . Physical and chemical properties

- Physical state** : Liquid.
- Flash point** : Open cup: >80°C (176°F) (Cleveland.).
- pH** : 11.2 to 11.4
- Solubility** : Miscible in water.

## 10 . Stability and reactivity

- Stability and reactivity** : The product is stable.
- Incompatibility with various substances** : Reactive or incompatible with the following materials: oxidizing materials.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : Will not occur.
- Conditions of reactivity** : None known.

## 11 . Toxicological information

### Toxicity data

Product/ingredient name	Test / Route	Species	Result
Silicic acid, sodium salt	LD50 Dermal	Rabbit	>4640 mg/kg
	LD50 Oral	Rat	1960 mg/kg
Alcohols, C12-15, Ethoxylated 2-(2-Butoxyethoxy)ethanol	LD50 Oral	Rat	>2000 mg/kg
	LD50 Dermal	Rabbit	2700 mg/kg
	LD50 Oral	Rat	5660 mg/kg
	LD50 Oral	Rat	4500 mg/kg
	LD50 Unreported	Rat	4500 mg/kg

### Acute Effects

- Eyes** : Severely irritating to eyes. Risk of serious damage to eyes.
- Skin** : Irritating to skin.
- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : May be harmful if swallowed.
- Potential chronic health effects** : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
Mutagenic effects: Not available.  
Teratogenic effects: Not available.

## 12 . Ecological information

### Ecotoxicity data

Product/ingredient name	Species	Test	Exposure	Result
Alcohols, C12-15, Ethoxylated	Daphnia	Intoxication	48 hours	Acute EC50 1.4 mg/L
	Daphnia	Intoxication	48 hours	Acute EC50 1.3 mg/L
	Fish	Mortality	96 hours	Acute LC50 1.58 mg/L
	Fish	Mortality	96 hours	Acute LC50 1.4 mg/L
	Fish	Mortality	96 hours	Acute LC50 1.16 mg/L
	Fish	Mortality	96 hours	Acute LC50 1.03 mg/L
2-(2-Butoxyethoxy)ethanol	Fish	Mortality	96 hours	Acute LC50 1300 mg/L

**Environmental precautions** : No known significant effects or critical hazards.

**Products of degradation** : Decomposition products may include the following materials: carbon oxides and water.

## 13 . Disposal considerations

**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## 14 . Transport information

**AERG** : 128

Regulatory information	Proper shipping name	Class	UN number	PG	Label
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<b>UN / IMDG / IATA Classification</b>	-	-	Not regulated.	-	
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<b>DOT Classification</b>	COMBUSTIBLE LIQUID, N.O.S.	3	NA1993	-	
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<b>TDG Classification</b>	-	-	Not regulated.	-	
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## 15 . Regulatory information

### United States

**HCS Classification** : Combustible liquid  
Irritating material

**U.S. Federal regulations** : TSCA : All components listed.

**SARA 302/304/311/312 extremely hazardous substances**: No products were found.

**SARA 302/304 emergency planning and notification**: No products were found.

**SARA 302/304/311/312 hazardous chemicals**: 2-(2-Butoxyethoxy)ethanol

**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**: 2-(2-Butoxyethoxy)ethanol: Fire hazard, Immediate (acute) health hazard

**Clean Water Act (CWA) 307**: No products were found.

**Clean Water Act (CWA) 311**: No products were found.

**Clean Air Act (CAA) 112 accidental release prevention**: No products were found.

**Clean Air Act (CAA) 112 regulated flammable substances**: No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances**: No products were found.

### SARA 313

Product name	CAS number	Concentration
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<b>Form R - Reporting requirements</b>	: 2-(2-Butoxyethoxy)ethanol	112-34-5	1 - 5
<b>Supplier notification</b>	: 2-(2-Butoxyethoxy)ethanol	112-34-5	1 - 5

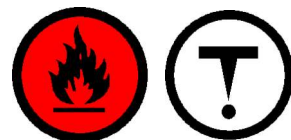
SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

<b>State regulations</b>	: <b>Connecticut Carcinogen Reporting:</b> None of the components are listed. <b>Connecticut Hazardous Material Survey:</b> None of the components are listed. <b>Florida substances:</b> None of the components are listed. <b>Illinois Chemical Safety Act:</b> None of the components are listed. <b>Illinois Toxic Substances Disclosure to Employee Act:</b> None of the components are listed. <b>Louisiana Reporting:</b> None of the components are listed. <b>Louisiana Spill:</b> None of the components are listed. <b>Massachusetts Spill:</b> None of the components are listed. <b>Massachusetts Substances:</b> None of the components are listed. <b>Michigan Critical Material:</b> None of the components are listed. <b>Minnesota Hazardous Substances:</b> None of the components are listed. <b>New Jersey Hazardous Substances:</b> None of the components are listed. <b>New Jersey Spill:</b> None of the components are listed. <b>New Jersey Toxic Catastrophe Prevention Act:</b> None of the components are listed. <b>New York Acutely Hazardous Substances:</b> None of the components are listed. <b>New York Toxic Chemical Release Reporting:</b> None of the components are listed. <b>Pennsylvania RTK Hazardous Substances:</b> None of the components are listed. <b>Rhode Island Hazardous Substances:</b> None of the components are listed.
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**California prop. 65:** No products were found.

## Canada

<b>WHMIS (Canada)</b>	: 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).
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<b>Canada inventory</b>	: <b>Canada inventory:</b> All components listed. <b>CEPA Toxic substances:</b> None of the components are listed. <b>Canadian ARET:</b> None of the components are listed. <b>Canadian NPRI:</b> None of the components are listed. <b>Alberta Designated Substances:</b> None of the components are listed. <b>Ontario Designated Substances:</b> None of the components are listed. <b>Quebec Designated Substances:</b> None of the components are listed.
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This product has been classified in accordance with the hazard criteria of the Canadian CPR and the United States OSHA. This MSDS contains all the information required by the CPR and OSHA, the American National Standard Institute (ANSI) Z400.1.

<b>International lists</b>	: This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).
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## 16 . Other information

<b>Label requirements (U.S.A.)</b>	: CAUSES SEVERE EYE IRRITATION. CAUSES SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. COMBUSTIBLE LIQUID AND VAPOR. VAPOR MAY CAUSE FIRE.
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**Hazardous Material Information System (U.S.A.) :**

**HMIS RATING**

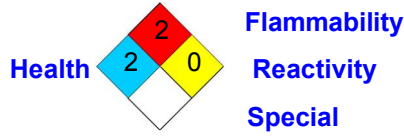
Health	2
Fire hazard	2
Physical Hazard	0
Personal protection	B

**HAZARD RATINGS**

- 4- Extreme
- 3- Serious
- 2- Moderate
- 1- Slight
- 0- Minimal

See section 8 for more detailed information on personal protection.

**National Fire Protection Association (U.S.A.) :**



**References**

- : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

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- Version** : 2

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.