



# Aqua Chemical Supply, Inc.

183 Moore Street – Millersburg – PA – 17061  
Office 717-692-7369 / 1-866-375-2782 Fax 717-692-3280

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier Pro Series Liquid Cover  
Other means of identification Not available  
Recommended use Suppression of water evaporation and heat loss  
Recommended restrictions None known.  
Manufacturer/Supplier/Distributor:  
Natural Chemistry L.P.  
40 Richards Ave.  
Norwalk, CT 06854 US  
Emergency telephone number: For emergency assistance involving chemicals call  
CHEMTREC day or night at: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

Physical hazards Not classified.  
Health hazards Not classified.  
Environmental hazards Not classified.  
OSHA defined hazards Not classified.  
Label elements  
Signal word None  
Hazard symbol None  
Hazard statement The mixture does not meet the criteria for classification.  
Precautionary statement  
Prevention Observe good industrial hygiene practices.  
Response Wash hands after handling.  
Storage Store away from incompatible materials.  
Disposal Dispose of waste and residues in accordance with local authority requirements.  
Hazard(s) not otherwise classified (HNOC) None known.  
Supplemental information Not applicable.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS number	%
1-Octadecanol		112-92-5	3 - 7
1,2-Propanediol		57-55-6	1 - 5

Composition comments: All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. FIRST AID MEASURES

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  
Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.  
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.  
Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  
Most important symptoms/effects, acute and delayed  
Indication of immediate medical attention and special treatment needed Treat symptomatically.  
General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. FIRE FIGHTING MEASURES

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media None known.  
Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	This product is miscible in water. Stop the flow of material, if this is without risk.
Large Spills:	Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
Small Spills:	Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

## 7. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits			
US. AIHA Workplace Environmental Exposure Level (WEEL) Guides			
Components	Type	Value	Form
1,2-Propanediol (CAS 57-55-6)	TWA	10 mg/m <sup>3</sup>	Aerosol.
Biological limit values	No biological exposure limits noted for the ingredient(s).		
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.		
Individual protection measures, such as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields (or goggles).		
Skin protection			
Hand protection	For prolonged or repeated skin contact use suitable protective gloves.		
Other	As required by employer code.		
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.		
Thermal hazards	Not applicable.		
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.		

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Milky
Physical state	Liquid.
Form	Liquid.
Color	Orange
Odor	Not available.
Odor threshold	Not available.

pH	8-10
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available
Pour point	Not available.
Specific gravity	0.97 - 1
Partition coefficient (n-octanol/water)	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not available
Flammability limit – upper (%)	Not available
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available
Vapor density	Not available
Relative density	8.2 - 8.4 lb/gal
Solubility(ies)	Complete
Auto-ignition temperature	Not available
Decomposition temperature	Not available.
Viscosity	Not available

### 10. STABILITY AND REACTIVITY

Reactivity	None known.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

### 11. TOXICOLOGICAL INFORMATION

Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.		
Information on likely routes of exposure			
Ingestion	Expected to be a low ingestion hazard.		
Inhalation	No adverse effects due to inhalation are expected.		
Skin contact	May be irritating to the skin.		
Eye contact	May be irritating to the eyes.		
Symptoms related to the physical, chemical and toxicological characteristics			
Information on toxicological effects			
Acute toxicity			
Components	Species	Test Results	
1,2-Propanediol (CAS 57-55-6)			
Acute			
Dermal LD50	Rabbit	20800 mg/kg	
Inhalation LC50		Not available	
Oral LD50	Dog	19000 mg/kg	
	Guinea pig	184000 mg/kg	
	Mouse	23900 mg/kg	
	Rabbit	14800 mg/kg	
	Rat	20000 mg/kg	
1-Octadecanol (CAS 112-92-5)			
Acute			
Dermal LD50	Rabbit	> 3000 mg/kg > 3 g/kg	
Inhalation LC50		Not available	
Oral LD50	Rat	> 5000 mg/kg	
Skin corrosion/irritation	May cause irritation		
Exposure minutes	Not available.		

Erythema value	Not available.
Oedema value	Not available.
Serious eye damage/eye irritation	May be irritating to eyes.
Corneal opacity value	Not available.
Iris lesion value	Not available.
Conjunctival reddening value	Not available.
Conjunctival oedema value	Not available.
Recover days	Not available.
Respiratory or skin sensitization	
Respiratory sensitization	Not classified.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Teratogenicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	Not classified.
Further information	Not available.
Name of Toxicologically Synergistic Products	Not available.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. See below.

Components	Species	Test Results
1,2-Propanediol (CAS 57-55-6)		
Crustacea EC50	Daphnia	10000 mg/L, 48 Hours
Crustacea EC50	Water flea (Daphnia magna)	10000 mg/L, 48 Hours
Fish LC50	Fathead minnow (Pimephales promelas)	710 mg/l, 96 hours
1-Octadecanol (CAS 112-92-5)		
Crustacea EC50	Daphnia	1666 mg/L, 48 Hours
Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential	No data available.	
Mobility in soil	No data available	
Mobility in general	Not available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

## 13. DISPOSAL CONSIDERATION

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Dispose of contents/container in accordance with local/regional/national/international regulations.	
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.
Transportation of Dangerous Goods (TDG - Canada)	Not regulated as dangerous goods.

**15. REGULATORY INFORMATION**

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Canada WHMIS Ingredient Disclosure: Threshold limits 1,2-Propanediol (CAS 57-55-6) %

WHMIS status Controlled

WHMIS classification Class D - Division 2B

WHMIS labeling



US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4) Not listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance 1,2-Propanediol (CAS 57-55-6) Listed

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

Immediate Hazard – Yes Delayed Hazard – No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely hazardous substance No

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting) Not regulated.

Other federal regulations

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130) Hazardous Substance

Safe Drinking Water Act (SDWA) Not regulated

Food and Drug Administration (FDA) Not regulated.

US state regulations California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance Not listed.

US - Minnesota Haz Subs: Listed substance 1,2-Propanediol (CAS 57-55-6) Listed.

US - New Jersey RTK - Substances: Listed substance 1,2-Propanediol (CAS 57-55-6) Listed.

US - Texas Effects Screening Levels: Listed substance 1,2-Propanediol (CAS 57-55-6) Listed.

1-Octadecanol (CAS 112-92-5) Listed.

US. Massachusetts RTK - Substance List Not regulated.

US. Pennsylvania RTK - Hazardous Substances 1,2-Propanediol (CAS 57-55-6) Listed.

US. Rhode Island RTK Not regulated

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. OTHER INFORMATION**

## Notice

Aqua Chemical Supply, Inc. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this SDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis. These can be obtained from your local Aqua Chemical Supply, Inc. sales office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Aqua Chemical Supply, Inc. makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Aqua Chemical Supply, Inc.'s control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.