

## Pine Clean

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Pine Clean
<b>Other Means of Identification</b>	700-PC
<b>Other Identification</b>	Bulk
<b>Recommended Use</b>	Neutral degreaser cleaner.
<b>Manufacturer/Supplier Identifier</b>	The Cleaning House, 973 Barton St. E., Hamilton, Ontario, L2L 3C4, Shannon Morgan , (905) 547-2636
<b>Emergency Phone No.</b>	Poison Control: In Ontario, 1-800 268-9017 Poison Control: In Toronto, 416 813-5900
<b>SDS No.</b>	0737

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin irritation - Category 2; Eye irritation - Category 2A

#### Label Elements



Signal Word:

Warning

Hazard Statement(s):

H315 Causes skin irritation.

H320 Causes eye irritation.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTRE or doctor if you feel unwell.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Ethoxylated lauryl alcohol	9002-92-0	2.5-10	
Oleic acid	112-80-1	2.5-10	
Pine oil	8002-09-3	2.5-10	
2-Propanol (IsoPropyl Alcohol)	67-63-0	2.5-10	

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## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

#### Eye Contact

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any pain, redness or visual impairment, consult an ophthalmologist.

#### Ingestion

Rinse mouth with water. Do not induce vomiting. Get medical advice or attention if you feel unwell or are concerned.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

### Specific Hazards Arising from the Product

Does not burn. Non flammable.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

For non first aid worker:

Avoid any contact with the skin and eyes.

For first aid worker:

First aid workers will be equipped with suitable personal protective equipment (See section 8).

### Environmental Precautions

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Avoid ingestion and inhalation.

### Conditions for Safe Storage

Keep out of reach of children.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from flammable liquids.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Control Parameters**

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Oleic acid	10 mg/m <sup>3</sup>					
2-Propanol (IsoPropyl Alcohol)	200 ppm	400 ppm				

- Avoid contact with eyes.

- Avoid skin contact.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Basic Physical and Chemical Properties**

<b>Appearance</b>	Clear green.
<b>pH</b>	8.50 - 8.75
<b>Melting Point/Freezing Point</b>	0 °C (32 °F) (freezing)
<b>Initial Boiling Point/Range</b>	100 °C (212 °F)
<b>Flash Point</b>	< 120 °C (248 °F)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	Not applicable
<b>Relative Density (water = 1)</b>	1.00 - 1.02
<b>Solubility</b>	Soluble in water
<b>Other Information</b>	
<b>Physical State</b>	Liquid

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

Not reactive.

**Chemical Stability**

Normally stable.

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Ethoxylated lauryl alcohol		4150 mg/kg (rat)	72000 mg/kg (rabbit)
Oleic acid		74000 mg/kg (rat)	2.4 mg/kg (rat)
Pine oil		2900 mg/kg (rat)	> 3000 mg/kg (rabbit)
2-Propanol (IsoPropyl Alcohol)	16000 ppm (rat)	> 5000 mg/kg (rat)	12800 mg/kg (rabbit)

**Skin Corrosion/Irritation**

May cause skin irritation.

**Serious Eye Damage/Irritation**

May cause eye irritation.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Ingestion**

May cause nausea or vomiting.

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**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

Not determined.

**Carcinogenicity**

Not determined.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

Carcinogenicity: None.

Teratogenicity: Not determined.

Reproductive toxicity: Not determined.

Mutagenicity: Not determined.

Synergistic products : Not determined.

**Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Ethoxylated lauryl alcohol	1.4 mg/L (96-hour)	6460-7580 mg/L (Daphnia magna (water flea); 48-hour)		
Oleic acid		205 mg/L (Pimephales promelas (fathead minnow); 96-hour)		
Pine oil	10-100 mg/L (96-hour)			
2-Propanol (IsoPropyl Alcohol)	96450 mg/L (Pimephales promelas (fathead minnow); 96-hour)			

**Chronic Aquatic Toxicity**

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
2-Propanol (IsoPropyl Alcohol)		1.50 mg/L (Daphnia magna (water flea))		

**Persistence and Degradability**

Not determined.

**Bioaccumulative Potential**

Not determined.

**Mobility in Soil**

Not determined.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal Methods**

Waste treatment methods:

Do not pour into drains or waterways.

Waste:

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

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Empty container completely. Keep label(s) on container.  
Give to a certified disposal contractor.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG		not regulated		
IATA (Air)		not regulated		
US DOT		not regulated		

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations**

**Canada**

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

WHMIS classification..... this is a controlled product.

CPR compliance..... this product has been classified in accordance with the hazard.

Criteria of the CPR and the MSDS contain all the information.

Required by the CPR.

**CEPA - National Pollutant Release Inventory (NPRI)**

WHMIS Classification: D2B

This product has been classified in accordance with the hazard criteria of the controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** technical service

**Date of Preparation** January 03, 2018

**Date of Last Revision** January 03, 2018

**Key to Abbreviations** OSHA = US Occupational Safety and Health Administration

NTP = National Toxicology Program

NIOSH = National Institute for Occupational Safety and Health

**References** Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

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