

SAFETY DATA SHEET

Pine Clean

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	: Pine Clean
Product Use:	: All Purpose Scented Cleaner
Supplier Name and Address:	: Corpack Canada 16 Seapark St.Catharines, ON L2M 6S6
Telephone:	: (905) 682-8888
Emergency Telephone:	: CANUTEC (613) 996-6666

SECTION 2 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Physical State:	Liquid
GHS Classification:	
Skin Irritation:	Category 3
Eye Irritation:	Category 2B
Acute Toxicity:	Category 4
GHS Label Elements:	
Hazard Pictograms	



Signal Word:	Danger
Hazard Statements:	H302 Harmful if swallowed H315 Causes skin irritation H320 Causes eye irritation
Precautionary Statements:	Prevention P102 Keep out of reach of children P262 Do not get in eyes, on skin, or on clothing P284 In case of inadequate ventilation wear respiratory protection Response P302 IF ON SKIN: Flush with plenty of water for at least 15 minutes P305 IF IN EYES: Flush with plenty of water for at least 15 minutes P332+P313 If skin irritation persists, get medical attention
Potential Health Effects:	
Inhalation	: High concentration of vapors may cause irritation. Similar effects with misting the product.
Skin	: Causes skin irritation. Symptoms may be delayed.
Eyes	: Causes eye irritation
Ingestion	: Harmful if swallowed.
Aggravated Medical Condition	: None known

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Symptoms of Overexposure

: See section 11.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

Chemical Name	CAS-No.	Concentration [%]
1-propoxy-2-propanol	1569-01-3	3
Nonionic surfactant	9002-92-0	4
Sodium Lauryl Sulfate	151-21-3	1
Sodium Citrate	6132-04-3	2

SECTION 4 - FIRST-AID MEASURES

General Advice	: Move out of dangerous area Consult a physician Show this Safety Data Sheet to the doctor in attendance
Inhalation	: Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical attention immediately.
Skin Contact	: Immediately flush with cool water for 15 minutes while removing contaminated clothing and shoes. Discard or wash well before reuse. Seek medical attention if irritation develops/persists.
Eye Contact	: If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Get medical attention if irritation develops and persists. Rinse with water. Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Seek medical attention if irritation develops.
Ingestion	: Do not induce vomiting. Rinse mouth with water then drink one or two glasses of water. Seek medical attention, or contact poison control centre immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Alcohol foam, carbon dioxide, dry chemical
Specific hazards arising from the chemical	: None known
Special protective actions for fire-fighters	: None
Additional advice	: None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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Personal precautions	: Wear appropriate protective equipment.
Environmental precautions	: Prevent entry into sewers or streams. Dike if needed. The bacteria and carriers are naturally occurring and should not pose an environmental risk.
Methods and materials for containment/cleaning up	: Vacuum or sweep up avoiding generation of mist. Place in suitable labeled containers and hold for waste disposal. Wash spill site with water.
Additional advice	: None

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	: Use of nitrile gloves and eye protection is optional.
Conditions for safe storage	: Keep out of reach of children. Do not freeze. Store in a closed container away from incompatible materials as provided in Section 10.
Other data	: Do not freeze.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters	: Not available
Engineering Controls	: Normal building ventilation is adequate. Ensure that eyewash stations and safety showers are close to the workstation location
Personal Protective Equipment	
Eye/face protection	: Safety glasses with side shields when there is potential for eye contact. Face shield also recommended for handling large amounts. Contact lenses should not be worn
Hand protection	: Nitrile or rubber gloves are recommended
Skin protection	: Protective coveralls or thick clothing that covers exposed skin
Respiratory protection	: Wear a NIOSH/MSHA approved air-purifying respirator equipped with chlorine cartridges when vapours reach high levels
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice When using do not eat or drink When using do not smoke Wash hands before breaks and at the end of the workday

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	: Clear, green liquid
Odor:	: Pine
Odor Threshold:	: Not available
pH:	: 8.21
Melting point/ freezing point:	: Not available
Initial boiling point and boiling range:	: Not available
Flash point:	: Not available
Evaporation rate:	: Not available
Flammability (solid, gas):	: Not available
Upper/lower flammability or explosive limits:	: Not available
Vapour pressure:	: Not available
Vapour density:	: Not available
Relative density (g/mL):	: 1.06
Water solubility:	: Not available
Solubility in other solvents:	: Not available



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Partition coefficient: n-octanol/water: : Not available
Auto-ignition temperature: : Not available
Decomposition temperature: : Not available
Viscosity: : As water

SECTION 10 - STABILITY AND REACTIVITY

Reactivity : Product is stable
Chemical Stability : Stable under normal conditions
Possibility of hazardous reactions : Hazardous decomposition products are not known
Conditions to avoid : Avoid contact with oxidizing chemicals.
Incompatible materials : Strong oxidizing agents
Hazardous decomposition products : Not available

SECTION 11 - TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity : Not available
Skin Corrosion/ Irritation : Not available
Serious eye damage/irritation : Not available
Respiratory or skin sensitization : Not available
Germ cell mutagenicity : Not available
Carcinogenicity : Not available
Reproductive toxicity : Not Available
STOT-single exposure : Not available
STOT-repeated exposure : Not available
Aspiration hazard : Not available

Toxicology Data for Ingredients

1-propoxy-2-propanol

Acute toxicity : LD50 oral, rat: 4330 mg/kg
LC50 inhalation, rat: 9 mg mg/kg/l 6 hours
LD50 dermal, rabbit: 3775 mg/kg
Skin irritation : Not available
Eye irritation : Not available
Sensitization : Not available

Nonionic surfactant

Acute toxicity : LD50 dermal, rabbit: >2 g/kg
LD50 oral, rat: 2-3.34 g/kg
Skin irritation : Causes skin irritation
Eye irritation : Not available
Sensitization : Not available

Sodium lauryl sulfate

Acute toxicity : LD50 dermal, rat: >2000 mg/kg
LC50 oral, rat: 1200 mg/kg
Skin irritation : May cause redness and pain.
Eye irritation : Direct contact with eyes may cause temporary irritation.
Exposure may cause temporary irritation, redness, or discomfort. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Sensitization : Not available

Sodium Citrate

Acute toxicity : LD50 Not available
LC50 Not available
Skin irritation : Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. Possibly irritation on prolonged contact with moist or sensitive areas of the skin.



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Eye irritation : No adverse effects expected, but dust may cause mechanical irritation.

Sensitization : Inhalation of large amounts of dust may cause irritation to the respiratory tract. Low hazard for industrial handling

Other : Ingestion of large amounts may cause gastrointestinal tract irritation/disturbances. May affect behavior (convulsions), respiration (cyanosis)

SECTION 12 - ECOLOGICAL INFORMATION

Product Information:

Toxicity: : Strongly alkaline. May cause damage to aquatic life.

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

Toxicology Data for Ingredients:

1-propoxy-2-propanol

Toxicity: : LC50 rainbow trout: >100mg/l, 96 hours
NOEC water flea: 100mg/l, 48 hours
NOEC green algae: 500 mg/l, 96 hours

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : This substance is highly soluble and is predicted to remain in solution and move readily through water columns and/or groundwater until biodegraded. It is expected to be highly mobile in soil and to readily leach from soil to groundwater where it can undergo biodegradation. This substance is unlikely to volatilize from moist soils to surface waters, but some volatilization from dry surface soils is possible.

Other adverse effects: : Not available

Nonionic surfactant

Toxicity: : EC50 Algae: 1-10mg/l, 72 hours
EC50 daphnia: 1-10 mg/l, 48 hours
LC50 fish: 1-10 mg/l, 96 hours

Persistence and degradability: : Readily biodegradable

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Toxic to aquatic life with long lasting effects.

Sodium lauryl sulfate

Toxicity: : EC50 crustacea: 1.37-4.7 mg/l, 48 hours
LC50 fish: 1-10 mg/l
LC50 fish: 3.6 mg/L, 96 hours

Persistence and degradability: : Not available

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available

Sodium Hydroxide

Toxicity: : LC50 Not available
LC50 Not available

Persistence and degradability: : Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The product itself and its products of degradation are not toxic.

Bioaccumulative potential: : Not available

Mobility in soil: : Not available

Other adverse effects: : Not available



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SECTION 13 - DISPOSAL CONSIDERATIONS

Product : Sanitary sewer or dry absorbent if available.
For large quantities, contact local environmental department or government authorities
Do not dispose in drains, waterways, or soil
Do not contaminate ponds, or ditches with chemical or the used container

SECTION 14 - TRANSPORT INFORMATION

UN Number : Not available
UN Proper Shipping Name : Not available
Transport hazard class(es) : Not available
Packing group, if applicable : Not available
Environmental hazards : Not available
Special precautions for user : Not Available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not applicable

SECTION 15 - REGULATORY INFORMATION

WHMIS Status : Not known
WHMIS classification : Class E

SECTION 16 - OTHER INFORMATION

Prepared by: Technical Services
Telephone number: (905) 682-8888

Preparation date: January 2018

NOTICE: The data and information presented herein are based upon tests, research and reports which are considered by us to be reliable and believed to be accurate. The data and information are presented without warranty, guarantee or liability on our part, and are presented to the customer for his own consideration, investigation and verification. If user requires independent information on ingredients in this or any other material, we recommend contact with Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905 572-4400)