

SAFETY DATA SHEET

Limesolve

SECTION 1 - PRODUCT AND COMPANY INFORMATION

Product Name:	Limesolve
Product Use:	Lime Solvent
Supplier Name and Address:	Corpack Canada 16 Seapark Drive, 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 1C
Eye Irritation:	Category 1
Acute Toxicity:	Category 4
GHS Label Elements:	
Hazard Pictograms	



Signal Word:	Danger
Hazard Statements:	H302 Harmful if swallowed H312 Harmful in contact with skin H318 Causes serious eye damage
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	: Strongly irritating to the eyes, nose, throat and lungs. High concentration of vapours will cause irritation. Similar effects with misting the product.
Skin	: Dangerous in case of skin contact. Causes burns. Symptoms may be delayed.
Eyes	: Contact can result in corneal damage or blindness. Immediate pain, severe burns
Ingestion	: Harmful or fatal 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 [%]
Phosphoric Acid	7664-38-2	15-40
Hydrogen Chloride	7647-01-0	1-5
Hydroxyacetic Acid	79-14-1	1-5
Citric Acid	77-92-9	1-5

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

Personal precautions	: Wear appropriate protective equipment.
Environmental precautions	: Prevent entry into sewers or streams. Dike if needed.
Methods and materials for containment/cleaning up	: Recover and reuse as much of the product as possible. Restrict access to area until completion of clean up. Ensure trained personnel conduct clean up. Do not touch spilled material
Additional advice	: None

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling	: Product is corrosive. Avoid contact with skin, eyes and clothing. Wear proper protective equipment, including rubber gloves.
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	: Mechanic ventilation should be 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	: 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:	: Acidic odor
Odor Threshold:	: Not available
pH:	: <1
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



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Vapour pressure: : Not available
Vapour density: : Not available
Relative density (g/mL): : 1.17
Water solubility: : Very soluble in water
Solubility in other solvents: : Not available
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 : Normally stable
Chemical Stability : Stable under normal conditions
Conditions to avoid : Unintentional contact with water and moisture. Keep containers tightly closed, when not in use.
Incompatible materials : Strong bases, reactive metals. When diluting DO NOT add water to the acid. Add acid to water.
Hazardous decomposition products : Toxic chlorine fumes.

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 : None of the ingredients is listed by IARC, ACGIH, NTP, and OSHA as carcinogen
Reproductive toxicity : Not Available
STOT-single exposure : Not available
STOT-repeated exposure : Not available
Aspiration hazard : Not available

SECTION 12 - ECOLOGICAL INFORMATION

Product Information:
Toxicity: : Product is corrosive. Low pH (acidity) of material is harmful to aquatic life.
Persistence and degradability: : Not available
Bioaccumulative potential: : Not available
Mobility in soil: : Not available
Other adverse effects: : Not available

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



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SECTION 14 - TRANSPORT INFORMATION

UN Number : UN3264
Shipping Description : TDG – Corrosive liquid, Acidic, Inorganic, n.o.s.
(Hydrochloric acid, Phosphoric acid)
Transport hazard class(es) : 8
Packing group, if applicable : III
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

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