

## AL-300

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	AL-300
<b>Other Means of Identification</b>	Low pH Presoak - Cherry Scent
<b>Recommended Use</b>	Used as presoak in touchless carwash applications.
<b>Restrictions on Use</b>	None known.
<b>Manufacturer / Supplier</b>	Transchem Inc., 1225 Franklin Blvd, Cambridge, ON, N1R 7E5, 1-800-265-9100, www.transchem.com
<b>Supplier</b>	Transchem Pro Inc., 350 S. Northwest Highway, Park Ridge, IL, 60068, 1 (877) 857-3870, www.turtlewaxpro.com
<b>Emergency Phone No.</b>	CANUTEC (Canada), 613-996-6666, 24 Hours INFOTRAC (U.S.), 1-800-535-5053, 24 Hours
<b>SDS No.</b>	Ver. 1

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Dermal) - Category 4; Skin corrosion/irritation - Category 1C; Serious eye damage/eye irritation - Category 1

#### GHS Label Elements



Signal Word:

Danger

Hazard Statement(s):

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

Prevention:

P260	Do not breathe dusts or mists.
P264	Wash hands and skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE/doctor.

Storage:

P405	Store locked up.
------	------------------

Disposal:

P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
------	---

Product Identifier:	AL-300
SDS No.:	Ver. 1
Date of Preparation:	November 18, 2019

## Other Hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Alcohols, C9-11, ethoxylated, liquids	68439-46-3	5-10	Alcohol ethoxylate
Phosphoric Acid	7664-38-2	3-7	N/A
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	3-7	Linear alkylbenzenesulfonic acid
2-Butoxyethanol	111-76-2	1-5	Ethylene glycol monobutyl ether, Butyl Cellosolve
Ammonium bifluoride	1341-49-7	0.1-1	N/A

### Notes

The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Keep at rest in a position comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Get medical advice/attention if you feel unwell or are concerned.

#### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse with lukewarm, gently flowing water for 5 minutes. Immediately after water flushing: a. Soak the affected areas in iced 0.13% benzalkonium chloride (Zephiran®) solution. Continue soaks until medical treatment is available. OR b. Wearing chemical protective gloves, massage 2.5% calcium gluconate gel into the burn site. Apply gel frequently and massage continuously until medical treatment is available. If benzalkonium chloride (Zephiran®) or calcium gluconate gel is not available, continue water flushing until medical treatment is available. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Immediately call a Poison Centre or doctor.

#### Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. DO NOT use benzalkonium chloride (Zephiran®) in the eyes. If sterile 1% calcium gluconate solution is available, limit water flushing for 5 minutes. Then, repeatedly flush the eye(s) using a syringe filled with 1% calcium gluconate solution. Immediately call a Poison Centre or doctor.

#### Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Drink large amounts of water. Immediately call a Poison Centre or doctor. Treatment is urgently required.

### Most Important Symptoms and Effects, Acute and Delayed

If on skin: contact can cause pain, redness, burns, and blistering. Permanent scarring can result. Can be absorbed through the skin causing damage to tissue, organs, and bones. If in eyes: contact causes severe burns with redness, swelling, pain and blurred vision. Permanent damage including blindness can result. If swallowed: can burn the lips, tongue, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

### Immediate Medical Attention and Special Treatment

#### Target Organs

Skin, eyes, digestive system.

#### Special Instructions

Rinse affected area (skin, eyes) thoroughly with water.

**Medical Conditions Aggravated by Exposure**

None known.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire. Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

**Unsuitable Extinguishing Media**

None known.

### Specific Hazards Arising from the Chemical

Do not direct solid stream of water into burning liquid. Contact with water causes violent frothing and spattering.

### Special Protective Equipment and Precautions for Fire-fighters

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment. Review Section 13 (Disposal Considerations) of this safety data sheet. Contact emergency services and manufacturer/supplier for advice.

### Other Information

Report spills to local health, safety and environmental authorities, as required.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Wear personal protective equipment to avoid direct contact with this chemical. Avoid release to the environment. Wash hands thoroughly after handling this material. Do NOT eat, drink or store food in work areas. See Section 13 (Disposal Considerations) of this safety data sheet.

### Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container. Do not store in metal containers. Comply with all applicable health and safety regulations, fire and building codes. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA

Phosphoric Acid	1 mg/m3	3 mg/m3	1 mg/m3			
2-Butoxyethanol	20 ppm C Skin		50 ppm Skin			
Ammonium bifluoride	2.5 mg/m3		2.5 mg/m3			

### Appropriate Engineering Controls

General ventilation is usually adequate. Use a local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists. Provide a Hydrofluoric acid first aid kit complete with calcium gluconate gel.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: neoprene rubber, polyvinyl chloride, latex rubber.

#### Respiratory Protection

Not normally required if product is used as directed. For non-routine or emergency situations: wear a full facepiece NIOSH approved air-purifying respirator with an acid gas cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Clear amber liquid.
<b>Odour</b>	Cherry
<b>Odour Threshold</b>	Not available
<b>pH</b>	< 2.5
<b>Melting Point/Freezing Point</b>	Not available (melting); Not available (freezing)
<b>Initial Boiling Point/Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Will not burn.
<b>Upper/Lower Flammability or Explosive Limit</b>	Not available (upper); Not available (lower)
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.03
<b>Solubility</b>	Soluble in water
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available (kinematic)
<b>Other Information</b>	
<b>Physical State</b>	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

None known.

### Chemical Stability

Unstable under certain conditions - see Conditions to Avoid.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Product Identifier:	AL-300
SDS No.:	Ver. 1
Date of Preparation:	November 18, 2019

Contact with most metals above this temperature may release hydrogen. Temperatures above 110.0 °C (230.0 °F)

#### Incompatible Materials

Oxidizing agents (e.g. peroxides), nitrates, chlorates, metals (e.g. aluminum).

#### Hazardous Decomposition Products

Thermal decomposition: very toxic carbon monoxide, carbon dioxide.

Upon contact with metals: flammable hydrogen gas.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; skin absorption; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Phosphoric Acid		1530 mg/kg (rat)	2740 mg/kg (rabbit)
Alcohols, C9-11, ethoxylated, liquids		1378 mg/kg (rat)	> 2000 mg/kg (rabbit)
Benzenesulfonic acid, C10-16-alkyl derivs.		500-2000 mg/kg (rat)	> 2000 mg/kg (rabbit)
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)	400-917 mg/kg (rat)	220 mg/kg (rabbit)
Ammonium bifluoride		130 mg/kg (rat)	

### Skin Corrosion/Irritation

Human experience shows skin corrosion. Contact can cause pain, redness, burns, and blistering. Permanent scarring can result. Effects may be delayed.

### Serious Eye Damage/Irritation

Human experience shows serious eye damage. May irritate or burn the eyes. Permanent damage including blindness may result.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation, lung injury.

#### Skin Absorption

Hydrogen fluoride is readily absorbed through the skin. Absorption through skin is not always immediately apparent from burns or pain. May cause damage to organs based on human experience. May cause severe metabolic disturbances resulting in irregular heartbeat and depression of the central nervous system. Symptoms may include headache, nausea, vomiting, dizziness, drowsiness, confusion and convulsions.

#### Ingestion

Product is harmful if swallowed. May cause severe irritation or burns to the mouth, throat and stomach. May cause damage to organs based on human experience. May cause severe metabolic disturbances resulting in irregular heartbeat and depression of the central nervous system. Symptoms may include headache, nausea, vomiting, dizziness, drowsiness, confusion and convulsions.

### Aspiration Hazard

No information was located.

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

Long term exposure to HF could cause fluorosis, resulting in weight loss, anemia, brittle bones, and poor health.

### Respiratory and/or Skin Sensitization

No information was located.

### Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
2-Butoxyethanol	Group 3	A3		

### Reproductive Toxicity

#### Development of Offspring

Product Identifier: AL-300  
SDS No.: Ver. 1  
Date of Preparation: November 18, 2019

No information was located.

#### Sexual Function and Fertility

No information was located.

#### Effects on or via Lactation

No information was located.

#### Germ Cell Mutagenicity

No information was located.

#### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

All components of this product are biodegradable by Regulation (EC) No 648/2004.

### Toxicity

#### Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Phosphoric Acid	138 mg/L (96-hour)			
Alcohols, C9-11, ethoxylated, liquids	11 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water)	5.3 mg/L (Daphnia magna (water flea); 48-hour)		
Benzenesulfonic acid, C10-16-alkyl derivs.	1.67 mg/L (96-hour)	2.4 mg/L (48-hour)		
2-Butoxyethanol	1490-2950 mg/L (Lepomis macrochirus (bluegill); 96-hour)	1550 mg/L (Daphnia magna (water flea); 48-hour)		
Ammonium bifluoride	364 mg/L (Pimephales promelas (fathead minnow); 96-hour; static)			

#### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Alcohols, C9-11, ethoxylated, liquids	1.5 mg/L			
2-Butoxyethanol	> 100 mg/L (21-day; semi-static)		> 100 mg/L (Daphnia magna (water flea); 21-day; semi-static)	

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Review federal, state/provincial, and local government requirements prior to disposal.

## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	3264	CORROSIVE LIQUID, Acidic, Inorganic (Phosphoric Acid, Ammonium Bifluoride)	Class 8	III

Product Identifier: AL-300  
SDS No.: Ver. 1  
Date of Preparation: November 18, 2019

US DOT	3264	CORROSIVE LIQUID, Acidic, Inorganic (Phosphoric Acid, Ammonium Bifluoride)	Class 8	III
--------	------	--	---------	-----

**Special Precautions for User** 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)

All ingredients are listed on the DSL/NDSL.

#### USA

##### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

##### Additional USA Regulatory Lists

SARA Title III - Section 313: Phosphoric acid (CAS: 7664-38-2); 2-butoxyethanol (CAS: 111-76-2).

New Jersey Right To Know: Phosphoric acid (CAS: 7664-38-2); 2-butoxyethanol (CAS: 111-76-2); Ammonium bifluoride (CAS: 1341-49-7).

California Proposition 65: No listed substances are known to be present.

## SECTION 16. OTHER INFORMATION

**NFPA Rating**      **Health - 2**    **Flammability - 0**    **Instability - 0**

**SDS Prepared By**      Technical Group

**Date of Preparation**      November 18, 2019

**Disclaimer**      The information contained here in has been compiled from sources believed to be reliable and is accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Recipient assumes all responsibility for the use of this information and the use, storage, or disposal of the product, including any resultant personal injury or property damage.

Product Identifier:      AL-300  
SDS No.:                  Ver. 1  
Date of Preparation:      November 18, 2019

Page 07 of 07