

# PL-14

## SECTION 1. IDENTIFICATION

**Product Identifier** PL-14  
**Other Means of Identification** Alkaline Presoak  
**Recommended Use** Used as presoak in touchless carwash applications.  
**Restrictions on Use** None known.  
**Manufacturer / Supplier** Transchem Inc., 1225 Franklin Blvd, Cambridge, ON, N1R 7E5, 1-800-265-9100, www.transchem.com  
**Emergency Phone No.** INFOTRAC (U.S.), 1-800-535-5053, 24 Hours  
 CANUTEC (Canada), 613-996-6666, 24 Hours  
**SDS No.** Ver. 2 (July 11, 2017)  
**Date of Preparation** April 29, 2015

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin corrosion/irritation - Category 2; Serious eye damage/eye irritation - Category 1

### GHS Label Elements



Signal Word:

Danger

Hazard Statement(s):

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary Statement(s):

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves.

P280 Wear eye protection/face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

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.

### Other Hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Surfactant Blend	Proprietary	5-8	N/A
Tetrasodium EDTA	64-02-8	1-5	Ethylenediaminetetraacetic acid

Product Identifier: PL-14  
 SDS No.: Ver. 2 (July 11, 2017)  
 Date of Preparation: April 29, 2015

Sodium Metasilicate	6834-92-0	1-3	N/A
Sodium hydroxide	1310-73-2	1-3	Caustic Soda
2-Butoxyethanol	111-76-2	1-3	Ethylene glycol monobutyl ether, Butyl Cellosolve

#### 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. Get medical advice/attention if you feel unwell or are concerned.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Completely decontaminate clothing, shoes, and leather goods before reuse or discard. If skin irritation occurs get medical advice/attention.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. 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. Rinse mouth with water. Drink one glass of water. Immediately call a Poison Centre or doctor.

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

If on skin: may cause moderate to severe irritation. Repeated or prolonged exposure can irritate the skin. Symptoms include pain, redness, and swelling. If in eyes: may cause moderate to severe irritation. Symptoms include pain, redness, and swelling.

### Immediate Medical Attention and Special Treatment

#### Target Organs

Eyes, skin.

#### 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.

#### Unsuitable Extinguishing Media

None known.

### Specific Hazards Arising from the Chemical

Hazardous combustion products: oxides of carbon and nitrogen, and products of incomplete combustion.

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

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills. Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. 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

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

## Environmental Precautions

Concentrated product: 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

Small spills or leaks: review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. 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. Contact emergency services and manufacturer/supplier for advice. Review Section 13 (Disposal Considerations) of this safety data sheet.

## 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. See Section 13 (Disposal Considerations) of this safety data sheet.

### Conditions for Safe Storage

Store in closed container. Separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Not available.

### Appropriate Engineering Controls

General ventilation is usually adequate. Provide eyewash and safety shower if contact or splash hazard exists.

### 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.  
Polyvinyl chloride, neoprene rubber, latex rubber.

#### Respiratory Protection

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

<b>Appearance</b>	Blue liquid.
<b>Odour</b>	Floral
<b>Odour Threshold</b>	Not available
<b>pH</b>	13.0 - 13.6
<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 applicable (upper); Not applicable (lower)
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density (air = 1)</b>	< 1
<b>Relative Density (water = 1)</b>	1.07
<b>Solubility</b>	Soluble in water; Not available (in other liquids)

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Product Identifier: PL-14  
SDS No.: Ver. 2 (July 11, 2017)  
Date of Preparation: April 29, 2015

<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)

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None known.

### Conditions to Avoid

Incompatible materials.

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Thermal decomposition: very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Tetrasodium EDTA	> 1-5 mg/L (rat) (4-hour exposure)	1780 mg/kg (rat)	
Sodium Metasilicate		1153 mg/kg (rat)	
Sodium hydroxide		500 mg/kg (rabbit)	1350 mg/kg (rabbit)
2-Butoxyethanol	450 ppm (female rat) (4-hour exposure)	400-917 mg/kg (rat)	220 mg/kg (rabbit)

### Skin Corrosion/Irritation

Contact can cause moderate to high irritation.

### Serious Eye Damage/Irritation

Contact can cause severe irritation, reddening, and swelling of tissues around the eyes. Contact may cause chemical burns.

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

#### Inhalation

Can cause nose, throat and respiratory tract irritation, coughing and headache.

#### Ingestion

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

### Aspiration Hazard

Not known to be an aspiration hazard.

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

Symptoms may include dry, red, cracked skin (dermatitis).

### Respiratory and/or Skin Sensitization

No information was located.

### Carcinogenicity

Product Identifier:	PL-14
SDS No.:	Ver. 2 (July 11, 2017)
Date of Preparation:	April 29, 2015

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

#### Reproductive Toxicity

##### Development of Offspring

No indication from ingredients.

##### Sexual Function and Fertility

No indication from ingredients.

##### Effects on or via Lactation

No indication from ingredients.

#### 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
Tetrasodium EDTA	34-62 mg/L (Lepomis macrochirus (bluegill); 96-hour; static)	113 mg/L (Daphnia magna (water flea); 48-hour; static)		
Sodium Metasilicate	210 mg/L (96-hour)	216 mg/L (96-hour)		
Sodium hydroxide	45.4 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static)	100 mg/L (Daphnia magna (water flea); 48-hour)		
2-Butoxyethanol	1490-2950 mg/L (Lepomis macrochirus (bluegill); 96-hour)	1550 mg/L (Daphnia magna (water flea); 48-hour)		

##### Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
2-Butoxyethanol	> 100 mg/L (21-day; semi-static)		> 100 mg/L (Daphnia magna (water flea); 21-day; semi-static)	

#### Persistence and Degradability

(Tetrasodium EDTA) By using samples from a river, a ditch and a lake as inocula in the closed bottle test, a biodegradation between 60 and 83% was obtained after 49 days at pH 6.5, whereas between 53 and 72% were obtained after 28 days at pH 8.0.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

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

## SECTION 14. TRANSPORT INFORMATION

Product Identifier: PL-14  
 SDS No.: Ver. 2 (July 11, 2017)  
 Date of Preparation: April 29, 2015

Not regulated under Canadian TDG Regulations. Not regulated under US DOT Regulations.

**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 commercially available and presumed to be listed by manufacturer.

##### Additional USA Regulatory Lists

SARA Title III - Section 313: 2-butoxyethanol (CAS: 111-76-2).

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

New Jersey Right To Know: Sodium Hydroxide (CAS: 1310-73-2); 2-butoxyethanol (CAS: 111-76-2).

## SECTION 16. OTHER INFORMATION

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

**SDS Prepared By** Technical Group

**Date of Preparation** April 29, 2015

**Revision Indicators** The following SDS content was changed on July 11, 2017:  
SECTION 1. IDENTIFICATION; Other Means of Identification.  
SECTION 2. HAZARDS IDENTIFICATION; GHS Classification; GHS Label Elements.  
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Ingredient Information.  
SECTION 4. FIRST-AID MEASURES; Inhalation.  
SECTION 5. FIRE-FIGHTING MEASURES; Special Protective Equipment and Precautions for Fire-fighters.  
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Control Parameters; Skin Protection; Respiratory Protection.  
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; Relative Density; pH.  
SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values; Ingestion; STOT (Specific Target Organ Toxicity) - Repeated Exposure; Carcinogenicity.  
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity; Chronic Aquatic Toxicity.  
SECTION 15. REGULATORY INFORMATION; Toxic Substances Control Act (TSCA) Section 8(b).

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Product Identifier: PL-14  
SDS No.: Ver. 2 (July 11, 2017)  
Date of Preparation: April 29, 2015

Page 06 of 06