

# PL-420

## SECTION 1. IDENTIFICATION

**Product Identifier** PL-420  
**Other Means of Identification** Alkaline Foaming Detergent  
**Recommended Use** Foaming detergent for manual washing of vehicles.  
**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  
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## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

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

### GHS Label Elements



Signal Word:

Warning

Hazard Statement(s):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Prevention:

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.

P337 + P313 If eye irritation persists: Get medical advice/attention.

### Other Hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                              | CAS No.    | %    | Other Identifiers             |
|--|------------|------|-------------------------------|
| Benzenesulfonic acid, C10-16-alkyl derivs. | 68584-22-5 | 5-10 | Linear Alkylbenzene Sulfonate |
| Trisodium NTA                              | 139-13-9   | 1-3  | N/A                           |

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|  |            |     |   |
|--|------------|-----|---|
| Poly(oxy-1,2-ethanediyl), alpha-sulfo- omega-hydroxy-, C10-16-alkyl ethers, sodium salts | 68585-34-2 | 1-3 | Sodium lauryl ether sulfate                       |
| Sodium hydroxide   | 1310-73-2  | 1-3 | Caustic soda                                      |
| 2-Butoxyethanol  | 111-76-2   | <1  | 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. If eye irritation persists, get medical advice/attention.

#### 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 large amounts 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 sore, red eyes, and tearing.

### 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

Review Section 10 (Stability and Reactivity) for additional information.

### 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

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

#### **Environmental Precautions**

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.

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

### **Conditions for Safe Storage**

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

## **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.

#### **Skin Protection**

Wear chemical protective clothing e.g. gloves, aprons, boots.  
Suitable materials are: polyvinyl chloride, latex rubber, polyethylene.

#### **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>                                  | Green liquid.                                     |
| <b>Odour</b>                                       | Mild  |
| <b>Odour Threshold</b>                             | Not available                                     |
| <b>pH</b>  | 12.0 - 13.0                                       |
| <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 applicable                                    |
| <b>Evaporation Rate</b>                            | Not available                                     |
| <b>Flammability (solid, gas)</b>                   | Not available                                     |
| <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>                     | 1.03                      |
| <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) |

## 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

None known.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

| Chemical Name                              | LC50                                   | LD50 (oral)          | LD50 (dermal)         |
|--|--|----------------------|-----------------------|
| Trisodium NTA                              | > 5 mg/L (rat) (4-hour exposure)       | 920 mg/kg (rat)      | > 5000 mg/kg (rabbit) |
| Benzenesulfonic acid, C10-16-alkyl derivs. |  | 500-2000 mg/kg (rat) | > 2000 mg/kg (rabbit) |
| 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

Human experience shows moderate or severe irritation.

### Serious Eye Damage/Irritation

Human experience shows serious eye irritation. Symptoms include sore, red eyes, and tearing.

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

#### Inhalation

No information was located.

#### Ingestion

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

### Aspiration Hazard

No information was located.

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

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

### Respiratory and/or Skin Sensitization

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No information was located.

**Carcinogenicity**

| Chemical Name   | IARC     | ACGIH®     | NTP                    | OSHA |
|-----------------|----------|------------|------------------------|------|
| Trisodium NTA   | Group 2B | Not Listed | Reasonably anticipated |      |
| 2-Butoxyethanol | Group 3  | A3         |                        |      |

**Reproductive Toxicity**

**Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

Not known to cause effects on sexual function or fertility.

**Effects on or via Lactation**

Not known to cause effects on or via lactation.

**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 |
|--|--|--|----------------------|-------------|
| Trisodium NTA                              | 175-225 mg/L (Lepomis macrochirus (bluegill); 96-hour; static)   | > 100 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)                               |                      |             |
| 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) |                |

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

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

## SECTION 14. TRANSPORT INFORMATION

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 on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

**Additional USA Regulatory Lists**

SARA Title III - Section 313: Nitrotriacetic acid (CAS: 139-13-9); 2-butoxyethanol (CAS: 111-76-2).

New Jersey Right To Know: Sodium Hydroxide (CAS: 1310-73-2); Potassium hydroxide (CAS: 1310-58-3);

Nitrotriacetic acid (CAS: 139-13-9); 2-butoxyethanol (CAS: 111-76-2).

California Proposition 65: Nitrotriacetic acid (CAS: 139-13-9).

## SECTION 16. OTHER INFORMATION

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

**SDS Prepared By** Technical Group

**Date of Preparation** August 24, 2015

**Revision Indicators** The following SDS content was changed on September 06, 2017:  
SECTION 2. HAZARDS IDENTIFICATION; GHS Label Elements.  
SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS; Ingredient Information.  
SECTION 4. FIRST-AID MEASURES; Eye Contact.  
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Control Parameters;  
Respiratory Protection.  
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; Relative Density; pH.  
SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values; Skin Corrosion/Irritation;  
Serious Eye Damage/Irritation; Ingestion; STOT (Specific Target Organ Toxicity) - Repeated  
Exposure; Carcinogenicity.  
SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity; Chronic Aquatic  
Toxicity; Persistence and Degradability.  
SECTION 15. REGULATORY INFORMATION; Toxic Substances Control Act (TSCA) Section  
8(b).

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