

PL-21LPH

SECTION 1. IDENTIFICATION

| | |
|--------------------------------------|---|
| Product Identifier | PL-21LPH |
| Other Means of Identification | Low pH Foaming Detergent |
| Recommended Use | Detergent for touchless carwash. |
| 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. | CANUTEC (Canada), 613-996-6666, 24 Hours INFOTRAC (U.S.), 1-800-535-5053, 24 Hours |
| SDS No. | Ver. 2 (July 19, 2017) |
| Date of Preparation | July 30, 2015 |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

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

GHS Label Elements



Signal Word:

Warning

Hazard Statement(s):

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.

Prevention:

- P261 Avoid breathing dust, fume, gas, mist, vapours or spray.
- P264 Wash hands and skin thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- 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.
- P333 + P313 If skin irritation or rash 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.

Disposal:

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

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| | |
|----------------------|------------------------|
| Product Identifier: | PL-21LPH |
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Contains no hazardous ingredients.

| Chemical Name | CAS No. | % | Other Identifiers |
|--|------------|-------|-------------------|
| Sodium olefin Sulfonate | 68439-57-6 | 10-20 | N/A |
| Hexylene Glycol | 107-41-5 | 2-4 | N/A |
| Phosphoric Acid | 7664-38-2 | 1-2 | N/A |
| 3(2H)-Isothiazolone, 2-methyl- | 2682-20-4 | <1 | N/A |
| 4-Isothiazolin-3-one, 5-chloro-2-methyl- | 26172-55-4 | <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. Get medical advice/attention if you feel unwell or are concerned. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). If skin irritation or a rash occurs, get medical advice/attention. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor.

Ingestion

Rinse mouth with water. Do not induce vomiting. 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 mild irritation. 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

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Chemical

Contact with water causes violent frothing and spattering.

Special Protective Equipment and Precautions for Fire-fighters

Do not direct solid stream of water into burning liquid.

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

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. 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

Comply with all applicable health and safety regulations, fire and building codes. Store in a cool, dry place. Keep out of reach of children. Keep from freezing.

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/m ³ | 3 mg/m ³ | 1 mg/m ³ | | | |
| Hexylene Glycol | | 25 ppm C | | 125 mg/m ³ | | |

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

Concentrated product: use impervious (rubber, nitrile) gloves.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|------------------------------|---|
| Appearance | Amber liquid. |
| Odour | Unscented |
| Odour Threshold | Not available |
| pH | 1.5 - 2.5 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | > 100 °C |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Will not burn. |

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| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure | Not available |
| Vapour Density (air = 1) | Not applicable |
| Relative Density (water = 1) | 1.04 |
| Solubility | Soluble in water |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic) |
| Other Information | |
| Physical State | Liquid |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

Corrosive sulfur oxides; very toxic carbon monoxide, carbon dioxide; hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|-------------------------|---|-----------------------|----------------------------|
| Sodium olefin Sulfonate | 52-206 mg/L (rat) | 2079-2340 mg/kg (rat) | 6300-160000 mg/kg (rabbit) |
| Phosphoric Acid | | 1530 mg/kg (rat) | 2740 mg/kg (rabbit) |
| Hexylene Glycol | > 310 mg/m ³ (rat) (1-hour exposure) | 3700 mg/kg (rat) | 8560 mg/kg (rabbit) |

Skin Corrosion/Irritation

Human experience shows moderate or severe irritation.

Serious Eye Damage/Irritation

Symptoms include sore, red eyes, and tearing.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

If misted, causes irritation of mucous membranes.

Ingestion

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

Aspiration Hazard

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Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

(4-Isothiazolin-3-one, 5-chloro-2-methyl-). (3(2H)-Isothiazolone, 2-methyl-) sensitization may occur following exposure to the liquid or vapour.

Carcinogenicity

No components listed by IARC, ACGIH and NTP.

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 |
|--|---|---|----------------------|-------------|
| Sodium olefin Sulfonate | 3.5-5 mg/L (96-hour) | 4.53 (Daphnia magna (water flea); 48-hour) | | |
| Phosphoric Acid | 138 mg/L (96-hour) | | | |
| 3(2H)-Isothiazolone, 2-methyl- | > 150 mg/L (96-hour) | 0.87 mg/L (Daphnia magna (water flea); 48-hour) | | |
| 4-Isothiazolin-3-one, 5-chloro-2-methyl- | 0.3 mg/L (96-hour) | 0.84 mg/L (Daphnia magna (water flea); 48-hour) | | |
| Hexylene Glycol | 8690 mg/L (Pimephales promelas (fathead minnow); 96-hour; flow-through) | 3200 mg/L (Daphnia magna (water flea); 48-hour; 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

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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

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

SARA Title III - Section 313: No listed substances are known to be present.

New Jersey Right To Know: Phosphoric acid (CAS: 7664-38-2); Hexylene glycol (CAS: 107-41-5).

SECTION 16. OTHER INFORMATION

| | | | |
|----------------------------|---|-------------------------|------------------------|
| NFPA Rating | Health - 0 | Flammability - 0 | Instability - 0 |
| SDS Prepared By | Technical Group | | |
| Date of Preparation | July 30, 2015 | | |
| Revision Indicators | The following SDS content was changed on July 19, 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; Skin Contact. SECTION 5. FIRE-FIGHTING MEASURES; Specific Hazards Arising from the Chemical. SECTION 6. ACCIDENTAL RELEASE MEASURES; Environmental Precautions; Methods and Materials for Containment and Cleaning up. SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION; Control Parameters. SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES; pH. SECTION 11. TOXICOLOGICAL INFORMATION; LC50/LD50 values; Skin Corrosion/Irritation; Serious Eye Damage/Irritation; Ingestion; STOT (Specific Target Organ Toxicity) - Repeated Exposure; Respiratory and/or Skin Sensitization. SECTION 12. ECOLOGICAL INFORMATION; Acute Aquatic Toxicity. SECTION 15. REGULATORY INFORMATION; Toxic Substances Control Act (TSCA) Section 8(b). | | |
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