

# Surface Prep Lite

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

### Product Identifier:

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Product name                  | Surface Prep Lite                         |
| Synonyms                      | Not applicable                            |
| Proper shipping name          | CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. |
| Other means of identification | n/a                                       |

### Relevant identified uses of the substance/mixture:

|                         |                           |
|-------------------------|---------------------------|
| Relevant identified use | Concrete etching solution |
|-------------------------|---------------------------|

### Details of manufacturer/supplier:

|              |                                                    |
|--------------|----------------------------------------------------|
| Company name | Peter Fell Ltd                                     |
| Address      | 81 Patiki Rd, Avondale, Auckland 1026, New Zealand |
| Telephone    | +64 9 828 6460                                     |
| Website      | www.peterfell.co.nz                                |
| e-mail       | info@peterfell.co.nz                               |

### Emergency telephone number:

|                          |                        |
|--------------------------|------------------------|
| Association/Organisation | National Poison Centre |
| Telephone                | 0800 764 766           |
| Website                  | www.poisons.co.nz      |

## SECTION 2: HAZARD IDENTIFICATION

### Classification of the substance/mixture:

Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation. Classified as Dangerous Goods for transport purposes.

|                     |                                                                                 |
|---------------------|---------------------------------------------------------------------------------|
| HSNO Approval Code  | HSR002658                                                                       |
| HSNO Classification | 6.1D (Oral), 6.1E (Respiratory Irritation), 6.3A, 6.8A, 8.1A, 8.3A, 9.1D, 9.3C. |

### Label Elements:

|                     |                                                                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictogram(s) |   |
| Signal word         | Danger                                                                                                                                                                  |

## Hazard statement(s):

|      |                                          |
|------|------------------------------------------|
| H290 | May be corrosive to metals               |
| H302 | Harmful if swallowed.                    |
| H315 | Causes skin irritation.                  |
| H318 | Causes severe skin burns and eye damage. |
| H330 | Fatal if inhaled.                        |

## Precautionary Statement(s) Prevention:

|      |                                                                                  |
|------|----------------------------------------------------------------------------------|
| P102 | Keep out of reach of children                                                    |
| P103 | Read label before use.                                                           |
| P234 | Keep only in original container.                                                 |
| P260 | Do not breathe dust, fume, gas, mist, vapours or spray.                          |
| P264 | Wash hands, face and all exposed skin thoroughly after handling.                 |
| P270 | Do not eat, drink or smoke when using this product.                              |
| P271 | Use only in well-ventilated areas                                                |
| P280 | Wear protective gloves, protective clothing, eye protection and face protection. |
| P284 | Wear respiratory protection.                                                     |

## Precautionary Statement(s) Responses:

|                 |                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------|
| P101            | If medical advice is needed, have product container or label at hand.                                                               |
| P301+P310       | IF SWALLOWED: Immediately call a POISON CENTRE/doctor/physician/first aider.                                                        |
| 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 (or shower).                            |
| P304+P340       | IF INHALED: Remove person to fresh air and keep comfortable breathing.                                                              |
| P305+P351+PP338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. |
| P310            | Immediately call a POISON CENTRE or doctor/physician for medical advice.                                                            |
| P320            | Specific treatment is urgent (see product label).                                                                                   |
| P330            | Rinse mouth                                                                                                                         |
| P363            | Wash contaminated clothing before reuse                                                                                             |
| P390            | Absorb spillage to prevent damage                                                                                                   |

## Precautionary Statement(s) Storage:

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| P403+P233 | Store in a well-ventilated space. Keep container tightly closed. |
| P405      | Store locked up.                                                 |
| P406      | Store in original container with resistant inner liner.          |

## Precautionary Statement(s) Disposal:

|      |                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation. |
|------|----------------------------------------------------------------------------------------------------------------------------------|

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

| Name              | CAS Number | Proportion |
|-------------------|------------|------------|
| Hydrochloric acid | 7647-01-0  | 20-33%     |
| water             | 7732-18-5  | 66-80%     |

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

SECTION 4: FIRST AID

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Description of first aid measures:

|              |                                                                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | - Wash out immediately with fresh running water.                                                                                                                          |
|              | - Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.               |
|              | - Seek medical attention without delay; if pain persists or recurs seek medical attention.                                                                                |
|              | - Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.                                                                           |
| Skin Contact | - Immediately remove all contaminated clothing, including footwear.                                                                                                       |
|              | - Flush skin and hair with running water (and soap if available).                                                                                                         |
|              | - Seek medical attention in event of irritation.                                                                                                                          |
| Inhalation   | - If fumes or combustion products are inhaled remove from contaminated area.                                                                                              |
|              | - Lay patient down. Keep warm and rested.                                                                                                                                 |
|              | - Prosthesis such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.                                    |
|              | - Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. |
|              | - Transport to hospital, or doctor, without delay.                                                                                                                        |
| Ingestion    | - If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.                       |
|              | - If swallowed do NOT induce vomiting                                                                                                                                     |
|              | - If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.                        |
|              | - Observe the patient carefully.                                                                                                                                          |
|              | - Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.                                                       |
|              | - Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.                                                                |
|              | - Seek medical advice.                                                                                                                                                    |

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## SECTION 5: FIREFIGHTING MEASURES

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### Type of Hazard

Hazchem Code: 2R

### Extinguishing Media

If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

### Specific Hazards

Non-combustable material.

### Advice for firefighters

Not applicable.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### Method and material for containment and cleaning up – Minor spills

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

### Method and material for containment and cleaning up – Major spills

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

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## 7. STORAGE AND HANDLING

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### Precautions for safe handling.

Avoid eye and skin contact. Avoid inhalation of vapour, mist or aerosol.

### Conditions for safe storage.

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Store in corrosive resistant container with resistant inner liner. Keep the container standing upright. Keep containers closed when not in use – check regularly for leaks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### National occupational exposure limits

7647-01-0, Hydrochloric acid, ACGIH; 2 ppm ceiling

7647-01-0, Hydrochloric acid, NIOSH; 5 ppm ceiling, 7 mg/m<sup>3</sup> ceiling

### Biological Limit Values:

As per the WorkSafe New Zealand the ingredients in this material do not have a Biological Limit Allocated.

### Engineering Measures:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

### Personal Protection

|                         |                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Protection     |                                                                                                                                                                                                                                                                                                                        |
| Eye and Face Protection | <ul style="list-style-type: none"> <li>- Safety glasses with side shields.</li> <li>- Chemical goggles.</li> <li>- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</li> </ul>                                      |
| Skin Protection         | <ul style="list-style-type: none"> <li>- See Hand protection below</li> </ul>                                                                                                                                                                                                                                                                                                                            |
| Hand/feet Protection    | <ul style="list-style-type: none"> <li>- Wear chemical protective gloves. <ul style="list-style-type: none"> <li>- Recommended: PE/EVAL/PE or PVA or Teflon or Viton.</li> </ul> </li> <li>- Wear safety footwear or safety gumboots e.g rubber</li> </ul>                                                                                                                                               |
|                         | <ul style="list-style-type: none"> <li>- The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</li> </ul> |
|                         | <ul style="list-style-type: none"> <li>- The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</li> </ul>                                                                                                                                                                                     |
| Body Protection         | <ul style="list-style-type: none"> <li>- Overalls</li> <li>- PVC Apron</li> <li>- PVC protective suit may be required if exposure severe.</li> </ul>                                                                                                                                                                                                                                                     |
| Thermal Hazards         | Not Available                                                                                                                                                                                                                                                                                                                                                                                            |
| Other Protection        | Not Available                                                                                                                                                                                                                                                                                                                                                                                            |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                           |                 |                                       |                   |
|---------------------------|-----------------|---------------------------------------|-------------------|
| Appearance                | Clear to yellow | Relative Density to water (water = 1) | 1.14              |
| Physical State            | Liquid          | Auto-Ignition Temperature (°C)        | Not Available     |
| Odour                     | Acidic odour    | Decomposition Temperature (°C)        | Not Available     |
| pH                        | Not Available   | Viscosity (cSt)                       | Not Available     |
| Melting Point (°C)        | Not Available   | Molecular weight (g/mol)              | Not Available     |
| Freezing Point (°C)       | Not Available   | Taste                                 | Not Available     |
| Boiling Point (°C)        | 91-98           | Explosive Properties                  | Not Available     |
| Flash Point (°C)          | Not Available   | Oxidising Properties                  | Not Available     |
| Evaporation Rate          | Not Available   | Volatile Component (%)                | Not Available     |
| Explosive Properties      | Not Available   | VOC g/L                               | Not Available     |
| Upper Explosive Limit (%) | Not Available   | Solubility in water (g/L)             | Miscible in water |
| Lower Explosive Limit (%) | Not Available   | Vapour Density in Air (Air = 1)       | Not Available     |

## 10. STABILITY AND REACTIVITY

### Chemical stability:

This material is thermally stable when stored and used as directed.

### Conditions to avoid:

Elevated temperatures and sources of ignition

### Incompatible materials:

Oxidizing agents.

### Hazardous decomposition products:

Oxides of carbon and nitrogen, smoke and other toxic fumes.

### Hazardous reactions:

No known hazardous reactions.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Fatal if inhaled. Material may be an irritant to mucous membranes and respiratory tract.

**Skin contact:** Harmful in contact with skin. Can be absorbed through the skin with resultant toxic effects. Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

**Ingestion:** Harmful if swallowed. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**Eye contact:** A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Acute toxicity

**Inhalation:** This material has been classified as a 6.1B - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients):  $0.5 < LC50 \leq 2.0$  mg/L for vapours or  $0.05 < LC50 \leq 0.5$  mg/L for dust and mist

**Skin contact:** This material has been classified as a 6.1D - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): 1,000 - 2,000 mg/Kg bw

**Ingestion:** This material has been classified as a 6.1D - Substances that are acutely toxic. Acute toxicity estimate (based on ingredients): 300 - 2,000 mg/Kg bw

**Corrosion/Irritancy:** Eye: this material has been classified as a 8.3A - Substances that are corrosive to ocular tissue. Skin: this material has been classified as a 8.2B - Substances that are corrosive to dermal tissue.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

Chronic Toxicity

**Mutagenicity:** This material has been classified as non-hazardous.

**Carcinogenicity:** This material has been classified as non-hazardous.

**Reproductive toxicity (including via lactation):** This material has been classified as non-hazardous.

**Specific target organ toxicity (repeat exposure):** This material has been classified as non-hazardous

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

**Acute aquatic hazard:** This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients):  $>100$  mg/ml.

**Long-term aquatic hazard:** This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients):  $>100$  mg/L, where the substance is not rapidly degradable and/or  $BCF < 500$  and/or  $\log Kow < 4$ .

**Ecotoxicity in the soil environment:** This material has been classified as non-hazardous.

**Ecotoxicity to terrestrial vertebrates:** This material has been classified as non-hazardous.

**Ecotoxicity to terrestrial invertebrates:** This material has been classified as non-hazardous.

**Ecotoxicity:** No information available.

**Persistence and degradability:** No information available.

**Bioaccumulative potential:** No information available.

**Mobility:** No information available.

13. DISPOSAL CONSIDERATIONS

Water Treatment methods

|                            |                                                                                                                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Packaging Disposal | - Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Notice 2017.                                                                                                                     |
|                            | - Containers may still present a chemical hazard/ danger when empty                                                                                                                                                                       |
|                            | - Return to supplier for reuse/ recycling if possible.                                                                                                                                                                                    |
|                            | - If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. |
|                            | - Where possible retain label warnings and MSDS and observe all notices pertaining to the product                                                                                                                                         |

## 14. TRANSPORT INFORMATION

## Label Requirements

Label Requirements



HAZCHEM

2R

## Land Transport (UN)

v 1789

Packing Group

II

UN Proper Shipping Name

HYDROCHLORIC ACID

Emergency Response Guide No

40

Transport Hazard Class(es)

8

Segregation Dangerous Goods

Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

## Air Transport (ICAO-IATA/DGR)

UN Number

1789

Packing Group

II

UN Proper Shipping Name

HYDROCHLORIC ACID

Emergency Response Guide No

40

Transport Hazard Class(es)

8

Segregation Dangerous Goods

Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

## Sea Transport (IMDG-Code/GGVSee)

UN Number

1789

Packing Group

II

UN Proper Shipping Name

HYDROCHLORIC ACID

Emergency Response Guide No

40

Transport Hazard Class(es)

8

Segregation Dangerous Goods

Not to be loaded with explosives (Class 1), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2), radioactive substances (Class 7) or food and food packaging in any quantity. Note 1: Concentrated strong alkalis are incompatible with concentrated strong acids. Note 2: Concentrated strong acids are incompatible with concentrated strong alkalis. Note 3: Acids are incompatible with Dangerous Goods of Class 6 which are cyanides. Exemptions may apply.

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material is not subject to any specific regulations. the following international agreements:

HSNO Approval Code: HSR001557

## 16. OTHER INFORMATION

|             |            |
|-------------|------------|
| SDS Created | April 2025 |
| SDS Updated | April 2025 |

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

|          |                                                               |
|----------|---------------------------------------------------------------|
| PC—TWA:  | Permissible Concentration-Time Weighted Average               |
| PC—STEL: | Permissible Concentration-Short Term Exposure Limit           |
| IARC:    | International Agency for Research on Cancer                   |
| ACGIH:   | American Conference of Governmental Industrial Hygienists     |
| STEL:    | Short Term Exposure Limit                                     |
| TEEL:    | Temporary Emergency Exposure Limit.                           |
| IDLH:    | Immediately Dangerous to Life or Health Concentrations        |
| ES:      | Exposure Standard                                             |
| OSF:     | Odour Safety Factor                                           |
| NOAEL :  | No Observed Adverse Effect Level                              |
| LOAEL:   | Lowest Observed Adverse Effect Level                          |
| TLV:     | Threshold Limit Value                                         |
| LOD:     | Limit Of Detection                                            |
| OTV:     | Odour Threshold Value                                         |
| BCF:     | BioConcentration Factors                                      |
| BEI:     | Biological Exposure Index                                     |
| AIIC:    | Australian Inventory of Industrial Chemicals                  |
| DSL:     | Domestic Substances List                                      |
| NDSL:    | Non-Domestic Substances List                                  |
| IECSC:   | Inventory of Existing Chemical Substance in China             |
| EINECS:  | European INventory of Existing Commercial chemical Substances |
| ELINCS:  | European List of Notified Chemical Substances                 |
| NLP:     | No-Longer Polymers                                            |
| ENCS:    | Existing and New Chemical Substances Inventory                |
| NZIoC:   | New Zealand Inventory of Chemicals                            |
| TSCA:    | Toxic Substances Control Act                                  |
| NCI:     | National Chemical Inventory                                   |