Safety Data Sheet

Date of Issue: 26.05.2026 Date of Expiry: 26.05.2031

1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name : **ECP Limited**
Address : PO Box 34125, Birkenhead, Auckland 0746
Telephone : +64 9 480 4386
Emergency phone number : 0800 243 622 (24 hours)

Product Name	**DETERGENT PF**
Product Code	29038

Recommended use : Cleaning and decontaminating agent.

2: Hazard's identification

Classification of the substance or mixture
- Acute toxicity, oral, Cat. 4
- Serious eye damage/eye irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1A
- Corrosive to metals, C

Signal Word : DANGER



Hazard Statements:
H290 May be corrosive to metals.
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage

Precautionary Statements:
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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 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 CENTER/doctor/physcian
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material-damage.
P405 Store locked up.
P406 Store in a corrosive resistant/… container with a resistant inner liner.
P501 Dispose of contents/container to an approved waste disposal facility

Other information : Not suitable for domestic applications.

3: Composition/information on ingredients

A mixture of anionic and non-ionic surface-active agents, stabilising agents, alkalis, non-phosphate detergent builders and sequestering agents, in an aqueous base.

- Contains 0.5%-2% Potassium Hydroxide (KOH) - CAS No. 1310-58-3

4: First aid measures

Description of necessary first-aid measures
General advice
Advice to Doctor: Burns are not immediately painful, onset of pain may be minutes to hours.

If inhaled
If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately medical attention is required.

In case of skin contact
Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice /attention depending on the severity.

In case of eye contact
If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical assistance.

If swallowed
Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.

Indication of immediate medical attention and special treatment needed, if necessary
For advice, contact the National Poisons Information Centre- New Zealand 0800 764 766

5: Firefighting measures

Suitable extinguishing media
Small fire
Use dry chemical, CO_2 or water spray.

Large fire
Use water spray, fog or foam - Do NOT use water jets.
If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out. Avoid getting water inside the containers.

Specific hazards arising from the chemical
Hazards from Combustion Products: May liberate toxic fumes in fire (Carbon and potassium oxides).

Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases. Contact with metals may evolve flammable hydrogen gas.

Special protective actions for fire-fighters
Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

6: Accidental release measures

Personal precautions, protective equipment and emergency procedures
Evacuate the area of all non-essential personnel. Avoid inhalation, contact with skin, eyes and clothing.
Wear protective clothing specified for normal operations (see Section 8)

Methods and materials for containment and cleaning up
Clean-up Methods - Large Spillages:
Do NOT touch or walk through this product. Do NOT touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas.

7: Handling and storage

Precautions for safe handling
Avoid generation or accumulation of dusts. Avoid prolonged or repeated contact with skin and eyes. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before reuse. Use in well-ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities
Corrosiveness: Corrosive to aluminium, tin, copper and zinc. Corrosive to steel at elevated temperatures.

8: Exposure controls/personal protection

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or safety glasses
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear respiratory protection

9: Physical and chemical properties

Detergent PF is a white powder mixture

Melting point	:	Not applicable.
Boiling point	:	Not applicable
Solubility	:	Completely soluble in water.
pH value	:	> pH 13.
Flammability	:	Not applicable.
Flash point	:	Not applicable.
Auto-Ignition temperature	:	Not applicable.
Explosive properties	:	Not applicable.

10: Stability and reactivity

Reactivity
Stable under normal conditions of storage and handling.
Reacts with incompatible materials

Chemical stability
Stable under recommended storage conditions.

Hazardous reactions
May react violently with strong acids.

Further information
Will tend to corrode non-ferrous metals, notably aluminium and zinc.

11: Toxicological information

Information on toxicological effects
Acute toxicity
Ingestion: Harmful if swallowed. Ingestion of powder varies in degree of irritation depending on exposure.
will cause irritation to gastro-intestinal tract.
May cause perforation and burns of the digestive tract (oesophagus and stomach).

Inhalation: Inhalation of dust or mist varies in degree of irritation depending on exposure. Irritation of the nose, throat and lungs with symptoms include sneezing, coughing, damage to the nasal or respiratory tract. High concentrations can cause lung damage (i.e. chemical pneumonitis).

Skin corrosion/irritation
Will cause irritation to eyes and skin.

12: Ecological information

Detergent PF is biodegradable.

Ready biodegradability by OECD 301E (ISO method 7287 - 1986(E)).

High alkalinity may affect aquatic organisms if released into water course untreated.

13: Disposal considerations

Dispose of in accordance with regional and/or national regulations.

14: Transport Information

Shipping name	:	As commercial name
UN Number	:	1760
DG Class	:	8
Packing Group	:	II

15: Regulatory information

A chemical safety assessment for this mixture has not been carried out.

16: Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or

any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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