

SAFETY DATA SHEET

Product Name **Punch Plus**

REVISION DATE: 13/03/2024

VERSION :01

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Punch Plus**
(MPI Approved C31- All products except dairy)

Recommended use: Concentrated heavy duty alkaline cleaner for Oven /Grill/Concrete.
 (All food contact surfaces must be rinsed with portable water after use)

Company Details: Advance International Cleaning System
Address: 663 Great South Road, Penrose
 Auckland. New Zealand

Telephone Number: +64 9 525 3792
Emergency Telephone Number: National Poison Information Centre 0800 764 766
Date of Preparation: **12/03/2024**

2. HAZARD IDENTIFICATION

GHS Classification and Categories

Acute toxicity: oral Category 4
 Corrosive to metals Category 1
 Skin corrosion/irritation Category 1B
 Serious eye damage/eye irritation Category 1



DANGER

Code:	Hazard Statement
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Prevention Statement:

P101	If medical advice is needed, have product container or label at hand.
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/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

P310 Immediately call a POISON CENTER or doctor/physician.

Response Statement:

- P101** If medical advice is needed, have product container or label at hand.
- P301 + P330 + P331 + P312** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
- P305 + P351 + P338** IF IN EYES: Get immediate medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310** Immediately call a POISON CENTER or doctor/physician.
- P330** Rinse mouth.
- P390** Absorb spillage to prevent material damage.

Disposal Statement:

- P406** Store in corrosive resistant container.
- P501** Dispose through licensed disposal contractor.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
Potassium hydroxide	1310-58-3	10-30
Sodium met silicate	10213-79-3	<5
Glucoside	68515-73-1	<5
Other ingredient not hazardous		>60

4. FIRST AID MEASURES

- Ingestion:** Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person.
Do NOT induce vomiting. Keep at rest. Immediately call a POISON CENTRE, doctor, or physician.
Get medical attention or advice if you feel unwell.
- Eye contact:** Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTRE, doctor, or physician.
- Skin contact:** Take off immediately all contaminated clothing and wash it before re-use.
Immediately call a POISON CENTRE, doctor, or physician.
- Inhalation:** Remove person to fresh air and keep comfortable for breathing.
Get medical attention or advice if you feel unwell.

Poison Information Centre: Call 0800 764 766 (0800 POISON)

5. FIRE FIGHTING MEASURE

Extinguishing Media:

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

Hazards from combustion products:

Not combustible. However, following evaporation of aqueous component, residual material can burn if ignited. While burning, it will emit toxic fumes including carbon monoxide and carbon dioxide.

Precautions for fire fighters and special protective equipment:

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighter's uniform.

Hazachem code:

2R

2 - Fine water spray

R - Liquid-tight chemical protective clothing and breathing apparatus. Dilute

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions:

Personal precautions, protective equipment and emergency procedures Wear suitable protective clothing, gloves, and eye/face protection. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may be slippery.

Environmental precautions: Do not allow to enter drainage system, surface, or ground water. Dilute with plenty of water. Advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

Methods and material for containment and cleaning up Use neutralising agent. Absorb onto dry sand or similar inert material.

Methods and Materials for Containment and Clean Up:

Soak up spilled product using absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

7. HANDLING AND STORAGE

Handling:

Wash hands thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Empty containers retain product and residue (liquid or vapour) and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

Advice on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Wash hands before breaks and at the end of workday. Wash face, hands, and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Use personal protective equipment as required. Avoid contact with skin and eyes. Do not eat, drink, or smoke when using this product. Use only with adequate ventilation.

Storage:

Containers must be carefully vented to release the pressure build up. Store in cool, dry, well-ventilated area away from incompatible substances. Keep containers always closed, check regularly for leak.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

The Occupational Safety and Health Service, NZ Department of Labour have set no Tolerable Exposure Limit (TEL) Workplace Exposure Standards (WES) for this substance.

If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section. Recommended safety measures for handling the undiluted products.

Appropriate engineering controls: Where possible: use in automated/closed system and cover open containers. Transport over pipes.

Filling with automatic systems. Use tools for manual handling of product.

Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unneutralised.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection:

Safety glasses or goggles (EN 166). The use of a full-face shield or other full-face protection is strongly recommended when handling open containers or if splashes may occur.

Skin/Hand Protection

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the glove's supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥480min Material thickness: ≥0.7mm Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥30min Material thickness: ≥0.4mm In consultation with the supplier of protective gloves a different type providing similar protection maybe chosen.

Body protection: Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605).

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear rusty liquid
Physical State:	Liquid
Odour:	Odourless
pH:	14
Solubility:	soluble in water
Vapour Density:	Not available.
Boiling point:	>100 deg
Freezing Point:	0 degree
Ignition Point:	Not available
Flash Point:	Not available.
Specific Gravity:	1.20-1.30
Vapour pressure:	Not available.
% Volatilities	

10. STABILITY AND REACTIVITY

Chemical Stability: No reactivity hazards known under normal storage and use conditions.
Stable at room temperature and pressure

Conditions to avoid: Avoid excessive heat, direct sunlight, moisture, high temperatures.
No hazardous reactions known under normal storage and use conditions.

Incompatible Materials: Incompatible with oxidizing agents, acidic agents, including acidic clays and sources of ignition. Reacts with acids.

Hazardous decomposition: When involved in a fire, this product will generate carbon monoxide.

Hazardous reactions: Oxidizing agents, mineral acids, halogenated organic compounds.

11. TOXICOLOGICAL INFORMATION

Mixture data:

Relevant calculated ATE(s):
ATE - Oral (mg/kg): 1224

No adverse health effects expected if the product is handled in accordance with the safety data sheet. Symptoms or effects that may arise if the product is mishandled and the overexposure occurs are:

Acute Effects

Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness, and tracheal burning.

Eye Contact:

This product is irritating, and pain followed by swelling to the conjunctiva.

Skin Contact:

This product is irritating to skin.

Inhalation:

Irritating to respiratory tract. Exposure to high concentrations over an extended period may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

12. ECOLOGICAL INFORMATION

No data is available on the mixture.

Persistence/ degradability:

the substance is aerobically readily biodegradable.

Mobility:

No data available for this product. Avoid contaminating water ways.

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Empty packaging should be taken for recycling, recovery, or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities.

Waste treatment methods Waste from residues / unused concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Suitable cleaning agents: Water, if necessary, with cleaning agent.

14. TRANSPORT INFORMATION



Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)

Road and Rail Transport:

Classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail.

Marine Transport:

Classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

Air Transport:

Classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

Shipping Name: potassium hydroxide solution
Hazard Class: 8
UN Number: UN 1814
Packing Group: II
Hazchem code: 2R
IMO/IMDG

EmS: F-A, S-B

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

15. REGULATORY INFORMATION

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

HSNO Approval No: HSR002526
Group Standard: Cleaning Products (Corrosive) Group Standard 2020
Inventory Listing(s) New Zealand: NZIoC (New Zealand Inventory of Chemicals)
All components are listed on the NZIoC inventory or are exempt.

16. OTHER INFORMATION

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

New Zealand National Poison Information Centre: 0800 764 766
New Zealand Emergency Services: 111
Advance International Cleaning Systems (NZ) Limited: +64 9 525 3792

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for uses is beyond our control. The information is not intended as an inducement to bargain, and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Advance International Cleaning Systems (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.

End of Safety Data Sheet