

Safety Data Sheet: Perk SUPA 0-23-38

1. IDENTIFICATION

Product Name: Perk SUPA 0-23-38
Other Names: -
Recommended Use: Liquid fertilizer for foliar spray
Distributor: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 0800 CHEMCALL (0800 243 622) 24 hours
National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Hazard Classification) Notice 2020.

Approval: HSR002571
Hazard Classifications: Eye irritation Category 2, Hazardous to terrestrial vertebrates

Pictogram:



Signal word: WARNING
Hazard statements: Causes serious eye irritation.
Harmful to terrestrial vertebrates.
Precautionary statements:
Prevention: Read label before use.
Wash hands thoroughly after handling.
Wear eye/face protection.
Avoid release to the environment.
Response: IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
Collect spillage.
Storage: -
Disposal: Dispose of product and container in accordance with local regulations.
Other information:
Hazardous Substance (Labelling) Notice 2017
No additional labelling requirements.

Safety Data Sheet: Perk SUPA 0-23-38

NZS5433 Transportation of Dangerous Goods on Land

Not Classified as DG for transport. Refer Section 14.

3. COMPOSITION: INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Concentration (%w/w)
Monopotassium phosphite	13977-65-6	30 - 60
Dipotassium phosphite	13492-26-7	30 - 60
Water	7732-18-5	Balance

4. FIRST AID MEASURES

Consult the National Poisons Information Centre 0800 POISON (0800 764 766) or a doctor in every case of suspected chemical poisoning. Have product label or Safety Data Sheet at hand.

INGESTION: Rinse mouth. Get medical advice if person feels unwell.

SKIN CONTACT: Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation occurs, obtain medical advice. Wash contaminated clothing before reuse.

EYE CONTACT: Flush with running water for at least 15 minutes. Remove contact lenses if present, and easy to do after 5 minutes before continuing rinsing. Get medical advice if irritation persists.

INHALATION: Remove patient to fresh air and keep at rest in a position comfortable for breathing until recovered. Get medical advice if person feels unwell or has respiratory symptoms, e.g. difficulty breathing.

First Aid facilities: Provide eye baths and safety showers close to work areas.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flashpoint: Non-flammable.

Suitable extinguishing media: Dry chemical, carbon dioxide, foam or water fog as appropriate to surrounding materials.

Hazards from combustion products: May generate harmful fumes/gases and smoke.

Precautions for fire fighters and special protective equipment: Cool fire exposed containers with water. Stay upwind. Wear self-contained breathing apparatus with full face-piece and protective clothing.

Hazchem Code: Not applicable.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions:

Read label before use. Wear appropriate personal protection equipment to prevent contact with skin and eyes.

Environmental Precautions:

Contain spill and prevent from entering drains, sewer or any water course. In event of large spill and contamination of a watercourse, notify the Police, local Health Protection Officer and Council.

Methods and materials for containment

Collect into labeled container that can be sealed for disposal to landfill if product is unable to be used for intended purpose. Wash down area with water.

Safety Data Sheet: Perk SUPA 0-23-38

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Keep out of reach of children. Read and observe all precautions and instructions on the label. Wear impervious gloves and eye protection. When using large quantities, wear coveralls and face shield. Observe good personal hygiene, including washing hands before rest breaks or eating/drinking. Launder contaminated clothing before reuse.

Conditions for Safe Storage:

Store securely in closed original packaging in cool, dry, well-ventilated area, out of reach of children and out of direct sunlight..

Do not store with combustible materials, herbicides, fungicides, animal feed or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standards (WES), have not been set by Worksafe (ed. 13, April 2022) for this substance.

A TWA-WES concentration is however set for phosphoric acid, 1 mg/m³.

Biological limit values: None established

Engineering Controls:

Ventilation: Use outdoors or in a well-ventilated area.

Personal Protective Equipment:

Respiratory Protection: Respiratory protection should not be necessary when used well-ventilated area .

Eye Protection: Safety goggles or glasses with side shields. Wear face shield when using large quantities.

Skin/ Body Protection: Wear impervious gloves, e.g. rubber, PVC, cotton overalls and closed in footwear.

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid
Odour	Not available
Odour threshold	Not determined
pH	7.5 – 8.0
Melting/Freezing point °C	Not determined
Boiling Point/Range °C	Not applicable
Flash Point °C	Non flammable
Flammability (solid, gas)	Not applicable
Upper/lower flammability/explosive limits	Not applicable
Vapour Pressure mm Hg @ 25°C	Not determined

EMERGENCY PHONE: 0800 CHEMCALL (0800 243 622) 24 hours

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Date of Revision: September, 2027

Safety Data Sheet: Perk SUPA 0-23-38

Vapour Density Pa @ 25°C	Not applicable
Relative density @ 25°C	1.55 – 1.60
Solubilities	Soluble in water
Partition coefficient: n-octanol/water	Not applicable
Autoignition Temperature °C	Not determined
Decomposition Temperature °C	Not determined
Kinematic viscosity	Not applicable
Particle characteristics:	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Heat or flame/ignition sources. Contact with strong bases, strong oxidizing agents (may decompose), metals (is corrosive to most metals).

Hazardous decomposition products: On combustion, harmful unspecified compounds and smoke generated.

Hazardous reactions: Not known to occur.

11. TOXICOLOGICAL INFORMATION

Toxicity classifications determined by assessment of the components in the formulated mixture.

Acute toxicity: Not classified

Aspiration hazard: Not classified.

Respiratory irritation: Not classified as respiratory irritant.

Skin corrosion/irritation: May be mildly irritating to skin.

Serious eye damage/irritation: Serious eye irritant.

Respiratory or skin sensitization: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

Specific organ toxicity: Not classified.

Narcotic effects: Not classified.

Toxicological Information: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity: This product is classified as harmful to terrestrial vertebrates. Do not contaminate waterways, sewers, or drains when using product, or when disposing of product or container.

Persistence and degradability: No specific information on product is available.

Potential to be bioaccumulative: No specific information available.

Mobility in soil: No specific information available.

Other adverse effects: No information available

Ecotoxicological Information: Not available.

Environmental Exposure Limits (EEL's): Not set

Safety Data Sheet: Perk SUPA 0-23-38

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Triple rinse container with water and use rinsate in makeup of spray solution. Ensure packaging is empty before disposal to landfill or burning. Burn only if circumstances permit, otherwise bury in landfill or recycle through Agrecovery collection point.

Ensure disposal of packaging and product is in compliance with requirements of national and local authorities.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	Not applicable	UN No.		UN No.	
Proper Shipping Name		Proper Shipping Name		Proper Shipping Name	
DG Class		DG Class		DG Class	
Sub. Risk		Sub. Risk		Sub. Risk	
Pack Group		Pack Group		Pack Group	
Hazchem		Hazchem			

Marine Pollutant: No

Dangerous Goods Segregation

This product is not classified as a Dangerous Good for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2020 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: HSR002571; Fertilizer (Subsidiary Hazard) Group Standard 2020.

Classifications: Eye irritation, Category 2
Hazardous to terrestrial vertebrates,

Controls: Refer to www.epa.govt.nz for information on Controls.

ACVM Act 1997

Registration Number: Exempt

16. OTHER INFORMATION

Date of issue: 16th September 2022

Reasons for Issue: Update to GHS hazard classification statements.

Replaces: SDS dated 26th July 2019

Safety Data Sheet: Perk SUPA 0-23-38

Abbreviations:

ACVM	Agricultural Compounds and Veterinary Medicines
ECHA	European Chemical Agency
EPA	New Zealand Environmental Protection Authority
GHS	Global Harmonised System
HSIS	Hazardous Substance Information System
HSNO	Hazardous Substances and New Organisms
IARC	International Agency for Research on Cancer
NZIoC	New Zealand Inventory of Chemicals
STEL	Short Term Exposure Limit (15 minute exposure period)
TWA	Time-Weighted Average (8 hours exposure period)
WES	Workplace Exposure Standard

References:

EPA	www.epa.govt.nz
Supplier information and SDS	
Worksafe NZ	www.worksafe.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the supplier's knowledge. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Key Industries Limited.