

Safety Data Sheet: Perk SUPA™ 0-23-38

1. IDENTIFICATION

Product Name: Perk SUPA 0-23-38
Other Names: -

Recommended Use: Liquid fertilizer for use as foliar spray.
Distributor: Key Industries Ltd
Address: P.O. Box 65070, Mairangi Bay, Auckland 0754
Telephone: 09 917 1791
Emergency Phone: 027 494 1659

National Poisons Centre: 0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

Approval: HSR002571
Hazard Classifications: 6.1E, 6.3B, 6.4A, 9.3C
Pictograms:



Signal word: WARNING

Hazard statements: H303 May be harmful if swallowed.
H313 May be harmful in contact with skin
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H333 May be harmful if inhaled.
H433 Harmful to terrestrial vertebrates.

Precautionary statements:

Prevention: P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands and exposed skin thoroughly before use.
P273 Avoid release to the environment.
P280 Wear protective gloves and eye/face protection.

Response: P101 If medical advice is needed, have product container or label at hand.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice.
P304 + P312 IF INHALED: Call a POISON CENTRE or doctor if you feel unwell.
P305 + P351 + P338 IF ON EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice.

Storage:

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Disposal:

P501 Dispose of product and container in accordance with local regulations.

Other information:

Hazardous Substance (Labelling) Notice 2017

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NZS5433 Transportation of Dangerous Goods on Land

Not classified as DG Class for transport.

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. Do NOT induce vomiting. Get medical advice if person feels unwell.

If vomiting occurs spontaneously, keep head below hips to prevent vomit entering lungs.

SKIN CONTACT: Remove contaminated clothing. Rinse skin with plenty of water. If irritation develops, 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.

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: Water fog, fine water spray, carbon dioxide, or foam as appropriate to surrounding materials.

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

Precautions for fire fighters and special protective equipment: Do not breathe vapour from heated material. Wear self-contained breathing apparatus with full face-piece and protective clothing.

Hazchem Code: Not applicable.

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6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions:

Wear appropriate personal protection equipment to prevent contact with skin and eyes. Do not breathe spray mist.

Environmental Precautions:

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

Methods and materials for containment

Contain liquid spillage with earth, clay, sand or similar absorbent material. Collect into container that can be sealed for disposal to landfill. Wash down area with water.

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 protect eyes from splashes. Launder contaminated clothing before reuse.

Conditions for Safe Storage:

Store in closed original packaging and out of reach of children. Keep in a cool, well-ventilated place and out of direct sunlight. Do not store with combustible materials, herbicides or fungicides, animal feed or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standards (WES), have not been set by Worksafe for compounds in this substance:

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 under normal use conditions.

Eye Protection: Wear safety goggles or glasses to protect eyes from splashes.

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

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 available
Flash Point °C	Not applicable
Flammability (solid, gas)	Not applicable
Upper/lower flammability/explosive limits	Not applicable
Vapour Pressure mm Hg @ 20°C	Not available

EMERGENCY PHONE: KEY INDUSTRIES LTD (Frank Visser, Managing Director): 0274 941 659

Date of Issue: 26th July 2019

Date of Revision: July 2024

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

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: Heat or flame. Avoid 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: May be harmful if swallowed, in contact with skin or if inhaled.

Aspiration hazard: Not classified as an aspiration hazard.

Respiratory irritation: Not classified as respiratory irritant.

Skin corrosion/irritation: Mild skin irritant.

Serious eye damage/irritation: 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 mixture is classified as harmful to terrestrial vertebrates. Do not contaminate waterways, sewers, or drains when using product, or disposing of product.

Persistence and degradability: Not 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.

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13. DISPOSAL CONSIDERATIONS

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

Waste should be disposed of to an approved waste disposal facility or by burying at an approved site. 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 regulated	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 classified as a non- Dangerous Good Class for Transport.

Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

15. REGULATORY INFORMATION

HSNO Act 1996

Approval Code: HSR002571; Fertilizer Subsidiary Hazard Group Standard 2017.

Classifications: 6.1E (all), 6.3B, 6.4A, 9.3C.

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

Additional label statement requirements:

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ACVM Act 1997

Registration Number: Not applicable (exempt)

16. OTHER INFORMATION

Date of issue: 26th July 2019

Reasons for Issue: Update SDS format and content to comply with change in regulations.

Replaces: SDS dated August 2017.

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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
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.