

Potassium Humate

1. PRODUCT & COMPANY IDENTIFICATION

Product Identification/Name:	Gibb Gro K-Mate Potassium Humate
Alternative Name:	Humic acids, potassium salts; Humic acid potassium salt; Humic Acid Potassium, K-Mate, Solumate
Product Use:	Agricultural chemicals (non-pesticidal)
Company Identification:	Gibb Gro Ltd 29 Brick Bay Drive, Warkworth 0982, New Zealand
Telephone:	+64 27 498 2574
Fax:	na
Toll-Free Phone:	na
After Hours Emergency	+64 27 498 2574
National Poisons Centre	0800 764 766
Website:	www.gibb-gro.co.nz
Date of Issue:	17 May 2022 – Version 1.0
Latest Revision Date:	na

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture (HSNO):

	Not applicable
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Classification of the substance or mixture (GHS):

	Not applicable
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Label Elements:

Pictogram	Not applicable
Signal Word	Not applicable

Hazard Statements

	Not applicable
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Precautionary Statements

Prevention:

Not applicable

Response:

Not applicable

Storage:

Refer Section 7

Disposal:

Refer Section 13

3. COMPOSITION/INFORMATION ON INGREDIENTS

Main Component	CAS Number	Concentration	TWA (mg/m ³)	STEL (mg/m ³)
Humic acids, potassium salts	68514-28-3	100%	Not set	Not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible. The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. FIRST AID MEASURES

Eye Contact:	<ul style="list-style-type: none"> ➤ 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/attention.
Skin:	<ul style="list-style-type: none"> ➤ IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention. ➤ Take off contaminated clothing and wash before re-use
Ingestion:	<ul style="list-style-type: none"> ➤ Rinse mouth with water.
Inhalation:	<ul style="list-style-type: none"> ➤ No first aid measures normally required.
General:	<ul style="list-style-type: none"> ➤ Call a POISON CENTER or doctor/physician if you feel unwell. The number is 0800 764 766 in New Zealand) and is always available. Have this SDS with you when you call. ➤ If medical advice is needed, have product container or label at hand.

5. FIRE FIGHTING MEASURES

Flash Point:	No data available
Flammable Limits:	No data available
Extinguishing Media:	No data available
Fire & Explosion Hazards:	No data available
Fire Fighting Equipment:	No data available
Fire Fighting Instructions:	No data available
Hazchem Code:	No data available

6. ACCIDENTAL RELEASE MEASURES


Personal precautions:	<ul style="list-style-type: none"> ➤ Avoid dust formation. ➤ Avoid breathing mist, gas or vapours. ➤ Avoid contacting with skin and eye. ➤ Use personal protective equipment. ➤ Wear gloves. ➤ Ensure adequate ventilation. ➤ Keep people away from spill/leak.
Spills:	<ul style="list-style-type: none"> ➤ Prevent further spillage or leakage if possible. Do not let the chemical enter drains. Avoid discharge into the environment.
Methods and materials for containment and cleaning up:	<ul style="list-style-type: none"> ➤ Collect and arrange disposal. ➤ Keep the chemical in suitable and closed containers for disposal. ➤ Adhered or collected material should be promptly disposed of in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

Label:	N/A
Handling:	<ul style="list-style-type: none"> ➤ Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes.. ➤ Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. ➤ The measures detailed below under "Storage" should be followed during handling to minimise risks to persons using the product in the workplace.
Storage:	Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials

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8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Exposure Guidelines:	No established workplace exposure standard in NZ for product.
Engineering Controls:	Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination
Personal Protection:	
Respiratory Protection:	Usually, no respirator is necessary when using this product. However, if you have any doubts refer to standard AS/NZ 1715. Otherwise, not normally necessary. Eyebaths or eyewash stations and safety deluge showers should be provided near to where this product is being used.
Skin Protection:	<p>Wear fire/flare resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands</p> <p>You should avoid contact even with mild skin irritants. Therefore, you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types. We suggest that protective clothing be made from the following materials: rubber, PVC. Refer to Standard AS 2161, AS2919 and AS.NZ2210</p>
Eye Protection:	<p>Wear tightly fitting safety goggles with side-shields</p> <p>Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used. Refer to standard AS.NZ1337</p>
Dust:	N/A
Ventilation:	If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Dry Powder, Liquid.
Odour:	No data
Odour Threshold:	No data
Boiling Point:	No data.
Melting point:	No data
Freezing point:	No data

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pH:	No data
Solubility:	No data
Evaporation rate:	No data
Flash Point:	No data
Flammability:	No data
LEL/UEL:	No data
Vapour Pressure:	No data
Volatility:	No data
Volatiles:	No data
Autoignition Temperature:	No data
Specific Gravity:	No data
Vapour Density:	No data
Coeff Oil/water Distribution:	No data

10. STABILITY & REACTIVITY

Stability:	No data
Reactivity:	No data
Conditions to Avoid:	No data
Incompatibility:	No data
Hazardous Decomposition Products:	No data
Hazardous Polymerisation:	No data

11. TOXOLOGICAL INFORMATION

ACUTE EFFECTS:

Acute Effects: Ingestion:	No data
Acute Effects: Inhalation:	No data
Acute Effects: Skin:	No data
Acute Effects: Eye:	No data
Sensitisation:	No data

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CHRONIC EFFECTS:


Carcinogenicity, Reproductive Toxicity, or Mutagenicity:	No data
Specific Target Organ Toxicity:	No data

12. ECOLOGICAL INFORMATION

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems.

Effects on Birds:	No data
Effects on Aquatic Organisms:	No data
Effects on Other Organisms:	No data
Breakdown in Soil and Ground Water:	No data
Breakdown in Water:	No data
Breakdown in Vegetation:	No data

13. DISPOSAL CONSIDERATIONS

Disposal Method:	<ul style="list-style-type: none"> ➤ The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. ➤ Do not contaminate water, foodstuffs, feed or seed by storage or disposal. ➤ Do not discharge to sewer systems. ➤ Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this SDS and the label, instructions on the label prevail. ➤ Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.
Container Disposal: 	<ul style="list-style-type: none"> ➤ Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. ➤ Controlled incineration with flue gas scrubbing is possible for combustible packaging materials. ➤ Recycle through an approved recycling facility or dispose of via an approved waste disposal contractor. ➤ Return empty container to an AgRecovery collection point for disposal. ➤

14. TRANSPORT INFORMATION

Dangerous Goods Classification:	na
Shipping Name:	na
Class:	na
UN Number:	na
Packaging group:	na
Hazchem Code	na
Marine Pollutant:	na
IER Guide	na
IMDG EMS	na

15. REGULATORY INFORMATION

All of the significant ingredients in this formulation are compliant with NICNAS regulations.

ACVM Registration No:	Not required
EPA Approval No:	Based on available information, not classified as hazardous according to EPA New Zealand. NON HAZARDOUS CHECMICAL.
Assignment Description:	Not required
Certified Handler:	Not required
Tracking:	Not required
Compliance Certificate:	Not required
Quantity that must be secured:	Not required
Location Certificate	Not required
Emergency Response Plan:	Not required
Secondary Containment:	Not required
Signage:	Not required
Fire Extinguishers:	No fire extinguisher requirement specified.
Training requirements:	No required
Other regulatory requirements:	No other information

16. OTHER INFORMATION

Glossary

AEL	Acceptable Exposure Limit
DT₅₀	Time (days) for 50% loss
EC₅₀	Effective Concentration 50%
EEL	Environmental Exposure Limit
EPA	Environment Protection Authority
GHS	Globally Harmonised System
HSNO	Hazardous Substances & New Organisms Act
Koc	Organic carbon partition coefficient
LFL	Lower Flammability Limit
LC₅₀	Lethal Concentration 50%
LD₅₀	Lethal Dose 50%
NOEL	No Observable Effect Level
OSHA	Occupational Safety & Health Administration (USA)
OSH or WorkSafe	WorkSafe New Zealand
PEL	Permissible Exposure Level
Pow	Octanol water partition coefficient (ratio of concentration of a chemical in octanol and water at equilibrium and at a specified temp.)
pH	Measure of acidity/alkalinity of a substance on a 1-14 scale (1=strong acid, 14 = strongly alkali)
STEL	Short term exposure limit
TEL	Tolerable Exposure Limit
TLV	Threshold Limit Value – an exposure limit set by a competent authority
TWA	Time Weighted Average
UFL	Upper Flammability Limit
WES	Workplace Exposure Standard – set by WorkSafe NZ
LATA	International Air Transportation Association
IMDG	International Maritime Dangerous Goods
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

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CAS	Chemical Abstracts Service
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The data in this Safety Data Sheet relates only to this product alone, and not to its use in combination with other substances or products. In such circumstances, assuming the combination is permitted (refer to product labels, and contact manufacturer if in doubt), be guided by the most hazardous of the substances involved and observe the more stringent of all hazard controls applicable to the products used.

Date of Safety Data Sheet: 27 May 2022

Reason for Revision: Review and update to new legislative requirements.

Further Information:

Gibb Gro Ltd
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