



MATERIAL SAFETY DATA SHEET

HML POTUM

Date of Issue: 31 March 2017

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Chemical name of active ingredient(s) Potassium Bicarbonate

Recommended use: As a high analysis, food grade input

As a high analysis, food grade, active ingredient within a pesticide product or as an additive to registered potassium bicarbonate pesticide products that already contain suitable adjuvant/s to increase the overall level of potassium bicarbonate.

Not recommended for pesticide use alone.

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Emergency telephone number: 1-800-222-1222 24 hours

2. HAZARDS IDENTIFICATION

Hazard Classification: Non Hazardous (Hazardous Substances (Regulations) 2001
Required identification Details: CAUTION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Information on hazardous ingredients

Common Name	CAS No	%
Potassium bicarbonate	298-14-6	>99

4. FIRST-AID MEASURES

Description of necessary first aid measures:

Effects and Symptoms

Inhalation:

First-aid measures

Remove to area free from risk of further exposure. Treat symptomatically

Ingestion:

Do not induce vomiting. If person is conscious, give water to drink. Get medical attention. Never give anything by mouth to an unconscious person.

Skin contact:

Remove contaminated clothing. Wash exposed areas thoroughly with water. Seek medical attention if irritation develops

Eye contact:

May cause irritation to eyes. Flush eyes with copious quantities of flowing water for 15 minutes. If irritation persists, seek medical attention.

Notes to a physician:

Ingestion of large doses may produce systemic alkalosis. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

HAZCHEM Code:

None allocated

Extinguishing media:

Non combustible solid – use extinguishing media for underlying cause of fire.

Hazardous thermal (de)composition products:

Not known.

Protection of fire fighters:

Use protective clothing and breathing as may be appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear PVC overalls, chemical resistant gloves, facemask or goggles.

Environmental precautions:

Contain spills.

Methods for cleaning up:

If uncontaminated, sweep up or collect and reuse product. If contaminated with other material, place in a recovery drum for proper disposal.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and skin.

Storage:

Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight. Protect from frost. Store at 10-30°C.

Packaging materials:

Multilayered paper bag with a Poly Propylene lining, net weight 10 or 25 kilograms when packed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Guidelines

Exposure standards: None established.

Engineering measures

Exposure control measures: Local exhaust normally sufficient. No special ventilation required in enclosed areas.

Personal Protective Equipment

Detail specifications for equipment:

Respiratory system: If dust concentrations exceed recommended permissible exposure limits, use approved dust respirator

Skin and body: Wear long sleeved shirt, long pants.

Hands: Impermeable gloves

Eyes: Use Safety glasses if exposure possible.

General hygiene: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds. Protect against physical damage. Store in a cool dry place, separate from incompatible materials (acids)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Colour, Odour: White Powder
pH: 8 - 8.6
Vapour Pressure: N/A
Boiling Point: N/A
Freezing/melting point: 100-120 degrees Celsius
Solubility: Soluble in water
Density: 2.17G/CC
Flashpoint: Non-combustible
Octanol/water partition coefficient: N/A
Explosion properties: Not Explosive.
Oxidation properties: Not an Oxidising Agent.

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Exposure to high humidity or other damp/moist conditions may cake product
Materials to avoid: Acids
Hazardous decomposition Products: Thermal decomposition may emit carbon dioxide, oxides of sulphur and potassium oxide
Hazardous polymerization: Not subject to polymerization
Specific Data:
Hazardous reactions: None expected

11. TOXICOLOGICAL INFORMATION

Acute toxicity – Oral:	Low toxicity. Ingestion of large amounts may cause abdominal discomfort and injury.
Acute toxicity – Dermal:	Not toxic.
Acute toxicity – Inhalation:	Inhalation of product dust may irritate the respiratory tract
Skin irritation:	Not a primary skin irritant. Irritation is possible with prolonged or repeated exposure
Eye irritation:	May be irritating but not expected to result in injury. Effects will be minimized with washing
Chronic Toxicity	None currently known
Other Information:	Pre-existing respiratory disease, including asthma and emphysema may be aggravated

12. ECOLOGICAL INFORMATION

Ecotoxicity:	None known.
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13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Dispose of packaging in an approved landfill. Do not contaminate any waterway with chemical or empty container. Ensure that any unwanted product is used in accordance with label directions.
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14. TRANSPORT INFORMATION – International transport regulations

UN number	N/A
Class or Division:	N/A
Packing Group:	
Marine Pollutant:	N/A
Proper shipping name:	

15. REGULATORY INFORMATION

EPA NZ	Approval Code: HSR100610
FDA:	Regarded as GRAS (Generally Recognised as Safe)
TSCA:	Listed on the TSCA Inventory

16. OTHER INFORMATION

Additional information:	Original Issue date: 26 September 2016 Revision Date: 31 March 2017 Replaces: 26 September 2016
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Disclaimer EXCLUSION OF LIABILITY: PLEASE READ

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