

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Hatuma FuturepHos 9S**  
 Product Use: Fertiliser  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Hatuma Lime Company Ltd**  
 Address: 520 Maharakeke Road  
 RD1, Waipukurau, 4281

Telephone: +64 6 858-8567  
 Fax Number: +64 6 858-8018

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 23 January 2023

### Section 2. Hazards Identification

**This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

**EPA Approval No: Fertilisers (subsidiary) – HSR002571**

#### Pictograms



Irritant

Signal Word: **Warning**

| GHS Classification and Category   | Hazard Code | Hazard Statement                  |
|---|-------------|-----------------------------------|
| Skin irritation Cat. 2  | H315        | Causes skin irritation.           |
| Eye irritation Cat. 2   | H319        | Causes serious eye irritation.    |
| specific target organ toxicity – single exposure Cat. 3<br>respiratory tract irritation | H335        | May cause respiratory irritation. |

| Prevention Code | Prevention Statement                            |
|-----------------|---|
| P103            | Read label before use.                          |
| P261            | Avoid breathing dusts.                          |
| P264            | Wash hands thoroughly after handling.           |
| P271            | Use only outdoors or in a well-ventilated area. |
| P280            | Wear protective clothing.                       |

| Response Code | Response Statement                                     |
|---------------|--|
| P362          | Take off contaminated clothing and wash before re-use. |
| P302 + P352   | IF ON SKIN: Wash with plenty of soap and water.        |

|                  |  |
|------------------|--|
| P304 + P340      | IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.  |
| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313      | If skin irritation occurs: Get medical advice/ attention.  |
| P337 + P313      | If eye irritation persists: Get medical advice/attention.  |

|                     |  |
|---------------------|--|
| <b>Storage Code</b> | <b>Storage Statement</b>   |
| P405                | Store locked up.   |
| P403 + P233         | Store in a well-ventilated place. Keep container tightly closed. |

|                      |  |
|----------------------|--|
| <b>Disposal Code</b> | <b>Disposal Statement</b>                                |
| P501                 | Dispose of according to Local Regulations or Authorities |

### Section 3. Composition / Information on Hazardous Ingredients

| Ingredients  | Wt%   | CAS NUMBER. |
|--|-------|-------------|
| Futurephos   | 60-70 | 14567-92-1  |
| Generate   | 20-30 | 471-34-1    |
| Other ingredients that do not contribute hazardous composition | 10-20 | Proprietary |

### Section 4. First Aid Measures

Routes of Exposure:

|              |  |
|--------------|--|
| If in Eyes   | Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.  |
| If on Skin   | Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: get medical advice/attention.  |
| If Swallowed | Rinse mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Immediately call a POISON CENTER or doctor/physician. |
| If Inhaled   | Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.                               |

#### Most important symptoms and effects, both acute and delayed

|          |                                   |
|----------|-----------------------------------|
| Inhaled: | May cause respiratory irritation. |
| Skin:    | Causes skin irritation.           |
| Eyes:    | Causes serious eye irritation.    |

### Section 5. Fire Fighting Measures

|  |  |
|--|--|
| <b>Hazard Type</b>   | Non Flammable  |
| <b>Hazards from combustion products</b>                    | None known.  |
| <b>Suitable Extinguishing media</b>                        | Use extinguishing media appropriate for surrounding fire.                                  |
| <b>Precautions for firefighters and special protective</b> | Fire fighters to wear self-contained breathing apparatus and suitable protective clothing. |

|                     |                       |
|---------------------|-----------------------|
| <b>clothing</b>     |                       |
| <b>HAZCHEM CODE</b> | <b>None allocated</b> |

|   |
|---|
| <b>Section 6. Accidental Release Measures</b> |
|---|

**Personal precautions:**

Use protective clothing as per Section 8. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately. Wash contaminated clothing before re-use.

**Environmental precautions:**

Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**Spill and Disposal procedures:**

Absorb spills with inert material and place in waste containers. Prevent material from entering waterways. Wash area with water and absorb with further inert material. Dispose of waste safely, according to Local Council regulations.

|  |
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| <b>Section 7. Handling and Storage</b> |
|--|

**Precautions for Handling:**

- Read label before use.
- Avoid breathing dust and fumes.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing as detailed in Section 8.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in a dry, cool, well-ventilated place. Keep container tightly closed.
- Store only in original container.

|  |
|--|
| <b>Section 8 Exposure Controls / Personal Protection</b> |
|--|

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

| Substance | TWA |                   | STEL |                   |
|-----------|-----|-------------------|------|-------------------|
|           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13<sup>TH</sup> EDITION.

**Engineering Controls**

Ensure adequate ventilation is available.

**Personal Protection Equipment:**



|                    |   |
|--------------------|---|
| <b>Eyes</b>        | Tightly fitting safety glasses with side shields. Avoid wearing contact lenses. |
| <b>Skin</b>        | Wear rubber gloves. Wear protective clothing.                                   |
| <b>Respiratory</b> | Use respiratory protection in areas of poor ventilation.                        |

**Section 9 Physical and Chemical Properties**

|   |  |
|---|--|
| <b>Appearance</b>                       | Divided solid, particles of various sizes; slightly mixes with water                         |
| <b>Colour</b>                           | Grey – beige with yellow or brown particles, grey/brown crystals and granulated brown powder |
| <b>Odour</b>                            | Not available  |
| <b>Odour Threshold</b>                  | Not available  |
| <b>pH</b>                               | Not available  |
| <b>Boiling Point</b>                    | Not available  |
| <b>Melting Point</b>                    | Not available  |
| <b>Freezing Point</b>                   | Not available  |
| <b>Flash Point</b>                      | Not available  |
| <b>Flammability</b>                     | Not available  |
| <b>Upper and Lower Explosive Limits</b> | Not available  |
| <b>Vapour Pressure</b>                  | Not available  |
| <b>Vapour Density</b>                   | Not available  |
| <b>Relative Density</b>                 | Not available  |
| <b>Water Solubility</b>                 | Partly Miscible  |
| <b>Partition Coefficient:</b>           | Not available  |
| <b>Auto-ignition Temperature</b>        | Not available  |
| <b>Decomposition Temperature</b>        | Not available  |
| <b>Kinematic Viscosity</b>              | Not available  |
| <b>Particle Characteristics</b>         | Divided solid, particles of varying sizes  |

**Section 10. Stability and Reactivity**

|   |   |
|---|---|
| <b>Stability of Substance</b>           | This product is stable under normal conditions. |
| <b>Conditions to Avoid</b>              | None known.                                     |
| <b>Incompatible Materials</b>           | None known.                                     |
| <b>Hazardous Decomposition Products</b> | None known.                                     |

**Section 11 Toxicological Information****Acute Effects:**

|                   |                                   |
|-------------------|-----------------------------------|
| <b>Swallowed</b>  | Not applicable.                   |
| <b>Dermal</b>     | Not applicable.                   |
| <b>Inhalation</b> | May cause respiratory irritation. |
| <b>Eye</b>        | Causes serious eye irritation.    |
| <b>Skin</b>       | Causes skin irritation.           |

**Chronic Effects:**

|                               |                 |
|-------------------------------|-----------------|
| <b>Carcinogenicity</b>        | Not applicable. |
| <b>Reproductive Toxicity</b>  | Not applicable. |
| <b>Germ Cell Mutagenicity</b> | Not applicable. |
| <b>Aspiration</b>             | Not applicable. |
| <b>STOT/SE</b>                | Not applicable. |
| <b>STOT/RE</b>                | Not applicable. |

**Section 12. Ecotoxicological Information**

This product is not hazardous to the environment.

|                                      |                   |
|--------------------------------------|-------------------|
| <b>Persistence and degradability</b> | No data available |
| <b>Bioaccumulation</b>               | No data available |
| <b>Mobility in Soil</b>              | No data available |
| <b>Other adverse effects</b>         | No data available |

### Section 13. Disposal Considerations

#### Disposal Method:

Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.

**Precautions and methods to avoid:** None known.

### Section 14 Transport Information

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**

### Section 15 Regulatory Information

EPA Approval Code: Fertilisers (subsidiary) – HSR002571

| <b>HSW (HS) Regulations 2017 and EPA Notices</b> | <b>Trigger Quantity</b>            |
|--|------------------------------------|
| Certified Handler                                | Not required                       |
| Location Certificate                             | Not required                       |
| Tracking Trigger Quantities                      | Not required                       |
| Signage Trigger Quantities                       | Not required                       |
| Emergency Response Plan                          | Not required                       |
| Secondary Containment                            | Not required                       |
| Restriction of Use                               | Only use for the intended purpose. |

### Section 16 Other Information

#### Glossary

|                  |   |
|------------------|---|
| Cat              | Category  |
| EC <sub>50</sub> | Median effective concentration.   |
| EEL              | Environmental Exposure Limit.   |
| EPA              | Environmental Protection Authority  |
| HSNO             | Hazardous Substances and New Organisms.   |
| HSW              | Health and Safety at Work.  |
| LC <sub>50</sub> | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD <sub>50</sub> | Lethal dose to kill 50% of test animals/organisms.                                      |
| LEL              | Lower explosive level.  |
| OSHA             | American Occupational Safety and Health Administration.                                 |
| TEL              | Tolerable Exposure Limit.   |
| TLV              | Threshold Limit Value-an exposure limit set by responsible authority.                   |
| UEL              | Upper Explosive Level   |
| WES              | Workplace Exposure Limit  |

#### References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020

## 5. HSW (Hazardous Substances) Regulations 2017

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Please contact the New Zealand distributor, if further information is required.

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