Section 1: Identification of the Hazardous Chemical and of the Supplier

1.1 Product Identifier
Product Name: Metaldehyde 5% Sand Coated Granule
Trade Name: Mostox
Active Ingredient: 2,4,6,8-tetramethyl-1,3,5,7-tetroxocane
CAS No.(AI): 108-62-3

Recommended Usage: Molluscide

1.2 Supplier’s Information
Address: Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8
Taman Perindustrian Perai
13600 Perai, Pulau Pinang
Malaysia
Tel.: +6-04-3907988
Fax: +6-04-3905703
Web: www.agrichem.com.my
Emergency Phone: +6-04-3907988

Section 2: Hazard Identification

Classification: Carcinogenicity, category 1a
Specific Target Organ Toxicity-Single Exposure, category 3
Specific Target Organ Toxicity-Repeated Exposure, category 2

Pictogram:

Signal Word: Danger

Hazard Statement: H335 May cause respiratory irritation
**Section 3: Composition and Information of the Ingredients of the Hazardous Chemical**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight, %</th>
<th>Hazard Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metaldehyde</td>
<td>108-62-3</td>
<td>5</td>
<td>H228, H301</td>
</tr>
<tr>
<td>Preservative</td>
<td>-</td>
<td>&lt;5</td>
<td>H315, H317, H318, H412</td>
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<tr>
<td>Carrier</td>
<td>-</td>
<td>&gt;70</td>
<td>H335, H350, H373</td>
</tr>
</tbody>
</table>

**Section 4: First-aid Measures**

Call a POISON CENTER or doctor/physician if you fell unwell.

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin Contact:** Remove all contaminated clothing. Wash with plenty of soap and water. Get medical advice/attention if you feel unwell.

**Eye Contact:** 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.

**Ingestion:** Rinse mouth. Get medical advice/attention if you feel unwell.

**Symptoms:** Refer to Section 11: Toxicological Information.

**Notes to Physician:** No data available.

**Section 5: Fire-fighting Measures**

**Suitable Extinguishing Media:** Carbon dioxide (CO2), chemical foam, dry chemical.

**Specific Hazard During Fire:** No data available.

**Special Protective Equipment:** Fire fighters should wear full-faced self contained breathing apparatus and protective clothing.
Section 6: Accidental Release Measures

Personal Precautions: Wear protective gloves/protective clothing/eye protection/face protection.

Environmental Precautions: Avoid release to the environment.

Method for Cleaning Up: Evacuate non essential personnel. Ventilate area. Collect the spill into waste container for disposal. Wash the contaminated area with a little water and detergent. Absorb with inert material such as clay or earth. Collect into the same container for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling: Wear protective gloves, protective clothing and face protection. Wash skin thoroughly after handling. Avoid breathing dust. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

Conditions for Safe Storage: Store in a well-ventilated place. Keep container tightly closed.

Incompatibles: Acids and heating cause depolymerisation to acetaldehyde and paraldehyde.

Section 8: Exposure Control and Personal Protection

Exposure Limit: No data available.

Engineering Control: General ventilation or local exhaust ventilation.

Individual Protection Measure: Wash hands thoroughly after handling. Avoid breathing dust. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area.

Personal Protective Equipment:
- Eye Protection: Wear eye protection if needed.
- Skin Protection: Wear protective gloves and protective clothing.
- Respiratory Protection: Wear face protection, pesticide respiratory masks.

Section 9: Physical and Chemical Properties

Appearance: Greenish granule
Odour: Characteristic odour
Odour Threshold: No data available
pH: No data available
Melting/Freezing Point: 191°C (Technical)
Initial Boiling Point: Not applicable
Boiling Range: Not applicable
Safety Data Sheet

Mostox

SDS No.: SDS-P/G-M/01
Revision: 0, 1st Issue
Page 4 of 7

Section 10: Stability and Reactivity

Reactivity: Stable under recommended storage conditions.
Chemical Stability: Stable under normal conditions.
Hazardous Reaction: No data available.
Condition to Avoid: Direct sunlight, heat and extreme temperature.
Incompatible Material: Acids and heating cause depolymerisation to acetaldehyde and paraldehyde.
Hazardous Decomposition Product: Acetaldehyde and paraldehyde.

Section 11: Toxicological Information

11.1 Acute Toxicity
Component: Metaldehyde Technical

<table>
<thead>
<tr>
<th>Oral LD₅₀</th>
<th>Rat</th>
<th>283 mg/kg</th>
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</thead>
<tbody>
<tr>
<td>Skin Contact, Dermal LD₅₀</td>
<td>Rat (24h)</td>
<td>&gt;5000 mg/kg</td>
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<tr>
<td>Inhalation, LC₅₀</td>
<td>20 mg/l</td>
<td></td>
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</table>

11.2 Chronic Effect from Short and Long Term Exposure
Skin Contact: Not classified as irritant and sensitizing.
Eye Contact: Not classified as irritant.
Germ Cell Mutagenicity: No data available.
Carcinogenicity: May cause cancer.
Reproductive Toxicity: No data available.
Section 12: Ecological Information

Ecotoxicity:

Component: Metaldehyde Technical

<table>
<thead>
<tr>
<th>Fish Toxicity, LC₅₀:</th>
<th>Rainbow trout, Oncorhynchus mykiss (96h)</th>
<th>75 mg/l</th>
</tr>
</thead>
</table>

Fish Toxicity, NOEC:

Fathead minnow, Pimephales promelas
(33d, early-life stage) 8.9 mg/l

Aquatic Toxicity, EC₅₀:

Water flea, Daphnia magna (48h) >90 mg/l
Algae, Desmodesmus subspicatus >200 mg/l
(72h, growth inhibition)
Bacteria, Activated sludge >1000 mg/l
(3h, respiration inhibition)

Aquatic Toxicity, NOEC:

Water flea, Daphnia magna 90 mg/l
(21d, reproduction test)

Component: Preservative

Aquatic Toxicity, LC₅₀:

Oryzias latipes (96h) 12.2 mg/l

Persistence and Degradability: 2.8%, respirometer test – not readily biodegradable (Technical)
6%, Zahn-Wellens test (Technical)

Bioaccumulative Potential: BCF 11 – does not bioaccumulate (Technical)
(28d, Bluegill sunfish, Lepomis macrochirus)

Mobility in Soil: No data available.

Other Adverse Effect: No data available.

Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam or in accordance to local regulation.
### Section 14: Transportation Information

<table>
<thead>
<tr>
<th>Land (ADR/RID)</th>
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<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Pesticide, Solid, Toxic, N.O.S.</td>
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</tr>
<tr>
<td>Hazard Class</td>
<td>6.1</td>
<td></td>
</tr>
<tr>
<td>Hazchem Code</td>
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</tr>
<tr>
<td>UN number</td>
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<tr>
<td>Packing Group</td>
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<tr>
<td>Label / Mark</td>
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<tr>
<td></td>
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<tr>
<td>Sea (IMDG)</td>
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<tr>
<td>Hazard Class</td>
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<tr>
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<tr>
<td>Packing Group</td>
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<tr>
<td>Marine Pollutant</td>
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<td>Transport Document Name</td>
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<table>
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<td></td>
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<tr>
<td>Hazard Class</td>
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<td>Transport Document Name</td>
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</tbody>
</table>

### Section 15: Regulatory Information

**Classification:** Carcinogenicity, category 1a  
Specific Target Organ Toxicity-Single Exposure, category 3  
Specific Target Organ Toxicity-Repeated Exposure, category 2

**Signal Word:** Danger

**Pictogram:**

- Pesticides Act: Class IV  
Classification: -
Section 16: Other Information

Date of Preparation: 25 November 2015
Date of Revision: -
Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014
GHS Purple Book

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.