

# Sharda International Africa cc.

31, Alamein Road, Southdale, 2091.

Tel: 031-266-3264

eMail: shardain@vsnl.com, Website: <http://www.shardaintl.com>

(Company registration No. 2006/186705/23)

Page 1 of 5

## SAFETY DATA SHEET "SHARDA METALDEHYDE 5 GB" "SHARDA SNAIL AND SLUG BAIT"

Date of Issue: August 2013.

---

### 1. IDENTIFICATION OF PRODUCT AND COMPANY

**Name of Product:** "Sharda Metaldehyde 5 GB"

**Active Ingredient:** Metaldehyde

**Chemical Name:** r-2, c-4, c-6, c-8-tetramethyl-1,3,5,7-tetroxocane

**Product Use:** Snail and Slug Bait

**Registration holder:** Sharda International Africa cc.

**Address:** 31, Alamein Road, Southdale, 2091.

**Contact Tel. No.:** 031-266-3264

**Emergency Tel. No.:**

**Poison Centres:** UNITAS Hospital – 0800-111-9900  
Tygerberg Hospital – 021-931-6129  
NetCare: 082911.

---

### 2. HAZARD IDENTIFICATION (Substance hazard class and category)

**Active Ingredient and Formulation Health Risk:** Not regarded as a hazardous substance.

**Inhalation:** Not a potential inhalation hazard.

**Skin Contact:** Not regarded as a skin irritant.

**Eye Contact:** Not regarded as an eye irritant.

**Ingestion:** Ingestion may cause nausea, vomiting, salivation, stomach ache and diarrhoea.

**Environmental Risks:** Avoid exposure to poultry and animal pets.

**Other Risks:** Do not contaminate any water body.

---

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS (For each hazardous substance)

**3.1 Active Ingredient:** Metaldehyde

**Empirical Formula:** C<sub>8</sub>H<sub>16</sub>O<sub>4</sub>

**CAS No.:** 108-62-3

**UN No.:** Not regulated.

# Sharda International Africa cc.

31, Alamein Road, Southdale, 2091.

Tel: 031-266-3264

eMail: shardain@vsnl.com, Website: <http://www.shardaintl.com>

(Company registration No. 2006/186705/23)

---

Page 2 of 5

## 3.2 Product

**Component:** Blue coloured pellets/bait containing 50g metaldehyde per kg.

---

## 4. FIRST AID MEASURES

**Symptoms of Poisoning:** Nausea, vomiting, salivation, diarrhoea and abdominal cramps.

**Eye contact:** Flush eyes with plenty of clean water for at least 15 minutes.  
If irritation persists, obtain medical attention.

**Skin contact:** Wash skin thoroughly with soap and water.

**Inhalation:** Inhalation is not applicable as a route of exposure under normal use conditions.

**Ingestion:** Harmful if swallowed. Rinse mouth with plenty of water. Get medical attention.

**Advice to doctors / physician:** Poisoning is characterised by central nervous system toxicity and acidosis. Induce vomiting if the patient is conscious. A gastric lavage is indicated and an activated charcoal suspension will limit absorption. Gastric lavage and catharsis are effective up to 12-24 hours after poisoning. Give oxygen if respiration is depressed. Treat irritation symptomatically.

**Antidote:** Convulsions may be treated with diazepam, but attention must be paid to further depression of respiration. Antibiotics, chlorpromazine and additional supportive therapy for coma, hypoxia and/or pulmonary oedema may be required.  
Urinary acidosis should be countered by the administration of sodium bicarbonate..

---

## 5. FIRE-FIGHTING MEASURES

**Flash Point:** Not highly flammable.

**Extinguishing Media:** Foam, dry chemical, carbon dioxide, water spray.

**Fire and Explosion Hazards:** The product does not readily propagate combustion.

**Hazardous Products of Combustion:** Normal products of organic combustion will be released under combustion.

**Fire Fighting Equipment:** Wear personal protective clothing and equipment and a self-contained breathing apparatus.

---

## 6. ACCIDENTAL RELEASE MEASURES (Spillage)

**Personal Precautions and Protective Equipment:** Wear personal protective clothing (overall, boots, gloves).

**Emergency Procedures:** Contain the spillage.

**Environmental Precautions:** Prevent spillage from contaminating drains and water bodies.

# Sharda International Africa cc.

31, Alamein Road, Southdale, 2091.

Tel: 031-266-3264

eMail: shardain@vsnl.com, Website: <http://www.shardaintl.com>

(Company registration No. 2006/186705/23)

Page 3 of 5

**Methods and Materials for Cleaning up:** Collect spillage by sweeping or suction. Avoid generating dust. Place in a labelled container for controlled disposal. After the removal of spilled bait, clean the area with water and detergent.

Refer to Section 13 for disposal of spilled material.

---

## 7. HANDLING AND STORAGE

Read the product label before use.

Good industrial practice in housekeeping and personal hygiene should be followed at all times when handling this product. Areas for handling and storage should be well ventilated.

### Handling:

Harmful if swallowed.

Avoid dust contact with eyes.

Do not eat, drink or smoke while handling this product.

Wash hands and exposed skin thoroughly after handling or contact with this product.

Do not contaminate drains, sewers and water bodies when disposing of equipment rinse water.

Refer to Section 13 for disposal of rinse water.

Observe all safeguards on the label as to cleaning and destruction of the container.

### Storage:

Store away from ignition sources, heat and direct sunlight.

Keep out of reach of children, uninformed persons and animals.

Store away from food, drink, seed, fertiliser and animal feed.

Store only in the original labelled container in a cool dry place.

Shelf Life: 2 years

---

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Personal Protective Clothing

To reduce personnel exposure to this product, it is recommended to use appropriate personal protective clothing when handling this product.

No exposure limits have been established for this product.

No special engineering controls are required.

### Hygiene Measures:

Do not eat, drink, smoke or go to the bathroom while handling this product.

Wash face, hands and exposed skin after handling this product.

Wash contaminated clothing after exposure to this product.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES OF PRODUCT

These are typical data based on tests but may vary from sample to sample. These typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

<b>Appearance, Colour</b>	Blue
---------------------------	------

# Sharda International Africa cc.

31, Alamein Road, Southdale, 2091.

Tel: 031-266-3264

eMail: shardain@vsnl.com, Website: <http://www.shardaintl.com>

(Company registration No. 2006/186705/23)

Page 4 of 5

<b>Form</b>	Granules
<b>Odour</b>	None
<b>pH</b>	6.8
<b>Flammability</b>	Not flammable.
<b>Explosive Limits</b>	Not explosive.
<b>Vapour Pressure</b>	Not applicable.
<b>Density</b>	0.82 – 0.84 g/ml
<b>Solubility in water</b>	Metaldehyde is not soluble in water.
<b>Partition Coefficient</b>	(log Pow)
<b>Corrosivity</b>	Not corrosive.

## 10. STABILITY AND REACTIVITY

**Stability:** The product is stable under normal ambient conditions.

**Reactivity Hazards:** The product does not undergo hazardous reactions under normal handling conditions.

**Hazardous Decomposition:** The product does not produce hazardous decomposition products.

**Conditions to Avoid:** Excessive heat.

## 11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and health professionals.

Data obtained on this and similar products and components are summarised below.

**Acute Oral Toxicity:** Rat, LD50: > 2 500 mg/kg body weight (Not classified).

**Acute Dermal Toxicity:** Rat, LD50: > 2 000 mg/kg body weight (Not classified).

**Skin Irritation/Corrosion:** Rabbit, Not a skin irritant.

**Eye Irritation/Damage:** Rabbit, Not an eye irritant under normal use conditions.

**Skin Sensitization:** Mouse, not a skin sensitizer.

**Mutagenicity:** Not mutagenic.

**Carcinogenicity:** Not carcinogenic.

**Toxicity to Reproduction and/or Fertility:** Possible reproductive toxin.

**Developmental Toxicity / Teratology:** Not teratogenic.

## 12. ECOLOGICAL INFORMATION

This section is intended for use by eco-toxicologists and environmental specialists.

Data obtained on this and similar products and components are summarised below.

### Aquatic Toxicity, Fish:

**Bluegill Sunfish** (*Lepomis macrochirus*): Acute toxicity, 96 hours, LC50: 10 µg/l

**Rainbow Trout** (*Oncorhynchus mykiss*): Acute toxicity, 96 hours, LC50: 75mg/l

### Aquatic Toxicity, Invertebrates:

# Sharda International Africa cc.

31, Alamein Road, Southdale, 2091.

Tel: 031-266-3264

eMail: shardain@vsnl.com, Website: <http://www.shardaintl.com>

(Company registration No. 2006/186705/23)

---

Page 5 of 5

**Water Flea** (*Daphnia magna*), 48 hours, static, EC50: > 90 mg/l

## Arthropod Toxicity

**Honey bee** (*Apis mellifera*): Contact, 48 hours, LD50: > 113 µg/bee

**Honey bee** (*Apis mellifera*): Oral, 48 hours, LD50: 87 µg/bee

## Avian Toxicity

**Bobwhite Quail** (*Colinus virginianus*): Dietary toxicity, 5 days, LC 50: 3460 mg/kg diet

**Bobwhite Quail** (*Colinus virginianus*): Acute oral toxicity, LD50: 170 mg/kg b. w.

**Mallard Duck** (*Anas platyrhynchos*): Acute oral toxicity, LD 50: 300 mg/kg b.w.

## Soil Organism Toxicity, Invertebrates

**Earthworm** (*Eisenia foetida*): Acute toxicity, 14 days, LC50: > 1000 mg/kg dry soil

**Soil Organism Toxicity, Microorganisms:** Metaldehyde is degraded by micro-organisms.

**Bioaccumulation:** Bioaccumulation is not expected.

**Mobility in Soil:** Metaldehyde is not soluble in water. Therefore it is unlikely to be mobile in soil.

---

## 13. DISPOSAL CONSIDERATIONS

### Product

Do not burn product or empty containers.

Dispose of as industrial waste.

Keep out of drains, sewers, ditches and water ways.

Follow all local / regional / national / international regulations.

### Containers

Triple or pressure rinse empty containers.

Store for collection by approved waste or recycling disposal service.

Dispose of as non-hazardous industrial waste.

Do not use containers for any other purpose.

Follow all local / regional / national / international regulations.

---

## 14. TRANSPORT INFORMATION

For safe transport of hazardous substances apply appropriate local codes, classifications and regulations.

Metaldehyde is not classified as a hazardous substance.

Hazchem Code: 2X

---

## 15. REGULATORY INFORMATION

RSA: Registration Number L 9518, Act Number 36 of 1947.

---

## 16. OTHER

The information presented is not necessarily exhaustive but is regarded as representative. These data are presented in good faith and are believed to be correct. No representation as to the completeness or accuracy of these data is made. No responsibility for damages of any nature whatsoever resulting from the use of or reliance upon this information will be accepted. In the event of any uncertainty, consult the supplier before use.

---