

SAFETY DATA SHEET

1. IDENTIFICATION

GHS Product Identifier: **DYNAMICE**

Company Name: **KA & JK Maxwell**

Address: **3029 Eden Valley Road,
Mt Pleasant SA 5235**

Telephone Number: **0885 682110**

Emergency Phone Number: **0427 401 660**

Recommended use of the chemical and restrictions on use:

To eradicate mice around sheds and outbuildings on rural properties. This product must not be used in or around residences and dwellings.

2. HAZARD IDENTIFICATION

GHS classification of the substance.

Classified as hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including work, health and safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code of Transport of Dangerous Goods by Road and Rail (7th edition).

Acute Toxicity – Dermal: Category 1

Acute Toxicity – Oral: Category 2

Skin Corrosion/Irritation: Category 2

Sensitisation – Skin: Category 1

Hazardous to the Aquatic Environment – Acute Hazard: Category 1

Hazardous to the Aquatic Environment – Long-Term Hazard: Category 1

Signal Word (s)

DANGER

Hazard Statement (s)

H300 Fatal if swallowed

H310 Fatal in contact with skin

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H410 Very toxic to aquatic life with long lasting effects

Pictogram (s)

Skull and crossbones



Environmental Hazard



Precautionary statement – prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P262 Do not get in eyes, on skin, or on clothing

P264 Wash contaminated skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P272 Contaminated work clothing should not be allowed out of the workplace

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement – response

P301+P310 IF SWALLOWED call a POISON CENTRE or Hospital immediately

P302+P352 IF PRODUCT CONTACTS SKIN, wash with plenty of soap and water

P330 Rinse mouth

P333+P313 If skin irritation occurs, seek medical advice

P361 Immediately remove all contaminated clothing

P362 Take off contaminated clothing and wash before re-use

P391 Collect spillage

Precautionary statement – storage

P405 Store locked up

Precautionary statement – disposal

P501 Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Chemical Family: Alkaloid

Ingredients

Name	CAS	Proportion
Strychnine	57-24-9	0.4%
Red food colouring, honey and wheat grain	N/A	Balance

4. FIRST-AID MEASURES

First Aid Measures

Immediate, urgent hospital treatment is likely to be needed.

Inhalation

If inhaled, remove affected person from the contaminated area. Keep rested and seek immediate medical attention.

Ingestion

Do not induce vomiting. Immediately rinse mouth with water (never give anything by mouth if affected person is semi-conscious or unconscious). Give activated charcoal and keep patient quiet in a dark place. Seek immediate medical attention.

Skin

Remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

Eye Contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek immediate medical attention.

First Aid Facilities

Use eyewash and washroom facilities.

Advice to Doctor

Eyewash, safety shower and normal washroom facilities.

Other Information

For advice in an emergency, contact Poisons Information (Phone 131 126 in Australia) or a hospital/doctor.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use carbon dioxide, dry chemical, foam, water fog or water mist.

Unsuitable Extinguishing Media: Do not use water jet.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes and gases, including oxides of nitrogen, carbon monoxide and carbon dioxide.

Specific Hazards Arising from the Chemical

Combustible solid - will readily burn under fire conditions. The fine dust, in sufficient quantity, may form flammable or explosive mixtures with the air. Dust clouds may present an explosion hazard in the presence of an ignition source.

Hazchem Code: 2X

Decomposition Temperature: Not available

Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Remove all sources of ignition. Evacuate all unprotected personnel. Do not allow contact with skin and eyes. Do not breathe dust. It is essential to wear Self-Contained Breathing Apparatus (SCBA) and full personal protective equipment and clothing to prevent exposure. Avoid exposure to spillage by sweeping up material, avoiding dust generation – dampen spilled material with water if suitable to avoid airborne dust OR where possible, use dustless methods such as vacuum to collect the material, then transfer to suitable labelled containers for subsequent recycling or disposal. Use absorbent paper, dampened with water to pick up remaining material. Wash surfaces well with soap and water. Dispose of waste according to applicable local and national regulations. If contamination of sewers or waterways

occurs, inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Toxic and combustible solid. Avoid exposure. Exposure without protection must be prevented. Wear appropriate personal protective equipment and clothing to prevent exposure. Use in designated areas with local exhaust ventilation. DO NOT store or use in confined spaces. Build up of dust/solid in the atmosphere must be prevented. Avoid breathing in dust/solid. DO NOT use near ignition sources. DO NOT pressurise, cut, heat or weld containers as they may contain toxic residues. DO NOT empty into drains. Maintain high standards of personal hygiene such as washing hands prior to eating, drinking, smoking.

Conditions for safe storage, including any incompatibilities

This material is toxic and must be stored, handled and maintained according to the appropriate regulations. Limit quantity in storage. Restrict access to storage area. Store in a locked room or cupboard away from children, animals, food, foodstuffs, seed and fertilisers. Display appropriate warning signs. Consider leak detection and alarm systems. Structural materials, lighting and ventilation systems in storage area should be corrosion resistant. Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong mineral acids/bases, metal or water. Keep containers closed when not in use. Seal lids securely and protect against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in or near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS/NZS 4452 (1997). The storage and handling of toxic substances and AS/NZS 4745 (2012) – ‘Code of Practice for Handling Combustible Dusts’.

Other Information

Critical comments

Place bait in covered bait stations at 5 to 10 metre intervals, close to walls and other structures around which mice move. Eliminate all alternative food sources, as far as practical. Inspect bait stations daily and replace eaten bait until acceptable level of mice control is achieved. Collect and dispose of all dead mice.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

Strychnine: TWA: 0.15 mg/m³

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
Source: Safe Work Australia.

Biological Limit Values

No biological limits allocated

Appropriate Engineering Controls

This substance is toxic and should be used with a local exhaust ventilation system, drawing solid/dust away from workers' breathing zone. Provide sufficient ventilation to keep airborne levels below the exposure limits or as low as possible. Where dusts are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Alternatively, a process enclosure system, such as a fume cupboard, should be employed.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure, an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715 (2009), Selection, Use and Maintenance of Respiratory Protective Devices and AS/NZS 1716 (2012), Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 2 & 6 (2012) – Eye Protectors for Industrial Applications.

Hand Protection

Wear elbow-length gloves of impervious material such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1 (2016): Occupational protective gloves – selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Other Information

Wash hands before eating, drinking, chewing gum, using tobacco or the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Use detergent and hot water to wash. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Solid	Appearance	Wheat grain with red dye
Colour	Red	Odour	Slightly honey odour
Decomposition Temperature	N/A	Melting Point	N/A
Freezing Point	N/A	Solubility in Water	Not soluble
Specific Gravity	N/A	pH	N/A
Vapour Pressure	N/A	Vapour Density (Air=1)	N/A
Evaporation Rate	N/A	Odour Threshold	N/A
Viscosity	N/A	Partition Coefficient: n-octanol/water	N/A
Flash Point	N/A	Flammability	Not flammable
Auto-Ignition Temperature	N/A	Explosion Limit - Upper	N/A
Explosion Limit - Lower	N/A		

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling

Reactivity and Stability

Reacts with incompatible materials

Conditions to Avoid

Heat, open flames and other sources of ignition

Incompatible materials

Strong oxidising agents.

Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

Possibility of hazardous reactions

Reacts with incompatible materials

Hazardous Polymerization

Will not occur

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Toxicity data for material given below

Acute Toxicity – Oral

Strychnine

LD50 (Rat) 5 mg/kg

Ingestion

Can be fatal if swallowed. Ingestion of this product may cause irritation to the mouth, throat, oesophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting, diarrhoea and possible death.

Inhalation

Poisonous if inhaled. Inhalation of dusts may irritate the respiratory system.

Skin

May cause skin irritation. Skin contact may cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis. Product can be absorbed through skin with resultant very toxic systemic effects. May cause an allergic skin reaction.

Eye

Poisonous if absorbed through the eyes. Eye contact may cause mechanical irritation. May result in mild abrasion.

Respiratory sensitisation: Not expected to be a respiratory sensitiser.

Skin sensitisation: May cause an allergic skin reaction

Germ cell mutagenicity: Not considered to be a mutagenic hazard

Carcinogenicity: Not considered to be a carcinogenic hazard

Reproductive Toxicity: Not considered to be toxic to reproduction

STOT- single exposure: Not expected to cause toxicity to a specific target organ.

STOT – repeated exposure: Not expected to cause toxicity to a specific target organ.

Aspiration Hazard: Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects. This product is toxic to wildlife. Do not place bait in areas accessible to native animals.

Persistence and degradability: Not available

Mobility: Not available

Bioaccumulative Potential: Not available

Other Adverse Affects: Not available

Environmental Protection: Do not discharge this material into waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to applicable local and national regulations. Do not allow product to enter drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers, are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

This product is classified as Dangerous Goods Division 6.1 Toxic Substance
Dangerous Goods are incompatible in a placard load with any of the following:

- Class 1: Explosives
- Class 3: Flammable Liquids, if the Class 3 dangerous good are nitromethane.
- Class 5: Oxidising Substances and Organic Peroxides. If the Class 6 substance is a fire risk substance.
- Class 8: Corrosive substances. If the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids

This product is incompatible with food and food packaging in any quantity.

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Class: 6.1

UN No: 1692

Proper Shipping Name: STRYCHNINE (Marine pollutant)
Packing Group: 1
EMS: F-A, S-A
Special Provisions: 43

Air Transport (ICAO/IATA)

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Class: 6.1

UN No: 1692

Proper Shipping Name: STRYCHNINE

Packing Group: 1

Packaging Instructions (passenger & cargo): 666

Packaging Instructions (cargo only): 673

Hazard Label: Toxic

Special Provisions: A5

15. REGULATORY INFORMATION

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as a Scheduled 7 Poison, according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Schedule 7 poisons are available only to specialised or authorised users. This product is only available to persons with a ChemCert or equivalent licence or Pest Controllers licensed to handle S7 poisons. There are regulations restricting the availability, possession, storage and use of this product. See product label for more information.

Poisons Schedule: S7

National and or International Regulatory Information:

APVMA Approval No. 46647/5kg/0405

16. OTHER INFORMATION

Date of last review of Safety Data Sheet

SDS reviewed: February, 2023. Supersedes March, 2018 (reviewed every five years)

References

- Preparation of Safety Data Sheets for Hazardous Chemicals and Code of Practice, Safe Work Australia
- Standard for the Uniform Scheduling of Medicines and Poisons.
- Australian code for the Transport of Dangerous Goods by Rail & Road.
- Model Work Health and Safety Regulations, Schedule 10" Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals
- Workplace exposure standards for airborne contaminants, Safe Work Australia
- American Conference of Industrial Hygienists (ACGIH).
- Globally Harmonised System of classification and labelling of chemicals