

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAZACRON

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the substance or preparation

Trade Name: ZAZACRON

Company / undertaking identification

Company: Zagro Singapore Pte Ltd
5 Woodlands Terrace

2. HAZARDS IDENTIFICATION

GHS Classification

Acute Toxicity

Oral	Category 5
Dermal	Category 5

Skin Irritation

Category 3

Eye Irritation

Category 2B

GHS Label Element



Signal Word

WARNING

Hazard Statements

H303: May be harmful if swallowed
H313: May be harmful in contact with skin
H333: May be harmful if inhaled
H316: Causes mild skin irritation
H320: Causes eye irritation

Precautionary Statements

P102: Keep out of reach of children
P233: Keep container tightly closed
P264: Wash your hands and face thoroughly after handling
P270: Do not eat, drink or smoke when using the product
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response

P301+P330+P331+P310

If swallowed: Rinse mouth. Do not induce vomiting. Immediately call a doctor/physician.

P302+P352+P312

If on skin: Wash with plenty of soap and water. Call a doctor/physician if you feel unwell.

P303+P361+P353

If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340+P310

If inhaled: Move to fresh air and keep at rest in a position comfortable for breathing. Immediately call a doctor/physician.

P305+P351+P338

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

P403+P233

Store in a well-ventilated place. Keep container tightly closed.

P405

Store locked up.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identification : Azamethiphos

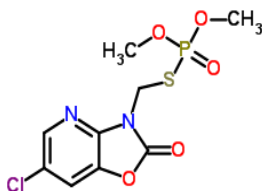
Molecular formula : $C_9H_{10}ClN_2O_5PS$

Molecular weight : 324.68

CAS No. : 35575-96-3

IUPAC name : 6-chloro-3-(dimethoxyphosphorylsulfanylmethyl)-[1,3]oxazolo
[4,5-b]pyridine-2-one

Chemical structure :



Composition : 10.00% w/w

4. FIRST AID MEASURES

Skin Contact

Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing and decontaminate footwear before reuse. Seek medical attention if irritation persists.

Eyes Contact

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention if irritation persists.

Inhalation

Remove victim to fresh air and keep at rest until recovered.

Ingestion

Repeated administer medicinal charcoal in a large quantity of water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting.

Notes to Physician

Treat as a cholinesterase inhibitor. Atropine sulphate is antidotal. Inject 2-4 mg atropine sulphate (for children 0.5 - 2 mg according to age) i.v or i.m every 5-10 minutes until signs of atropinisation occur. The patient must remain atropinised for 24 - 48 hours to prevent subsequent poisoning due to prevent delayed resorption.

5. FIRE FIGHTING MEASURES

Extinguishing media

This material non-flammable and non-explosive but is combustible. Extinguish fire using dry chemical, foam, water spray and carbon dioxide. (Do not use direct jet of water).

Do not allow fire-water to enter drains or seep into the ground. Combustion products are toxic and / or irritant. Use respirator to protect from fumes.

6. ACCIDENTAL RELEASE MEASURES

In case of spillage, it is important to take all necessary steps to:

- Avoid eye and skin contact.
- Avoid contamination of surface and ground water, drainage systems and waterway.
- Keep all bystanders away.
- Reposition any leaking packages so as to minimize leakage.
- Shovel the spill into specially marked drums and close tightly.
- Decontaminate spill area using water containing soda, soap or detergent.
- Collect washings in containers to avoid any contamination of surface or ground water, water supplies and drains.
- Hose down the area for a prolonged period.
- Heavily contaminated soil layers have to be dug out down to clean soil.
- Spilled product cannot be reused.
- Dispose of by burying in an approved secure landfill site.

7. HANDLING AND STORAGE

Handling

Wash thoroughly after handling. Keep container closed. Used only with adequate ventilation. Do not get into eyes or skin or on clothing. Do not breathe mist.

Storage

Store in the closed, original container in a dry secure area, away from children, unauthorized persons, animals, food, feedstuff, seed and fertilizers. Protect from direct sunlight and humidity.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Control

Handle in well-ventilated area, generally natural ventilation is adequate.

Eyes/face protection

Where there is potential for eyes contact, wear chemical goggles and have eye flushing equipment available.

Skin protection

Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Wear face shield and chemical resistant clothing such as rubber apron when contact may occur. Rinse contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.

Clothing protection

Wear appropriate clothing to minimize contact with skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Off White to Beige Powder
Odour	: Characteristics
Density	: 0.65 - 0.75 g/mL
Auto ignition temperature	: N/A
Flammability	: Non-flammable

10. STABILITY AND REACTIVITY

Stability

This material is chemically stable under normal and anticipated storage and handling conditions.

Shelf-life: 24 months

Condition to avoid

Avoid direct sunlight and humidity.

11. TOXICOLOGICAL INFORMATION

Acute oral LD ₅₀ , rats	: > 2000 mg/kg
Acute dermal LD ₅₀ , rats	: > 2000 mg/kg
Skin irritation, rabbits	: Mild irritant
Eye irritation, rabbits	: Severe eye irritant
Mutagenicity	: Non-mutagenic

12. ECOLOGICAL INFORMATION

For Active Ingredient

Toxicity to Birds			
Bobwhite quail	: Acute oral LD ₅₀	:	30.2 mg/kg
Mallard duck	: LD ₅₀	:	48.4 mg/kg
Toxicity to Fish			
Rainbow trout	: LC ₅₀ (96h)	:	0.115 - 0.2 mg/L
Toxicity to Bee			
Toxic to bees. LD ₅₀ (oral) < 0.1 µg/bee			

13. DISPOSAL CONSIDERATIONS

Formulation Disposal

Do not contaminate water supply, food or feed by storage or disposal. Treatment, storage, transportation and disposal must be in accordance with local regulations. Do not flush to surface water or sanitary sewer system.

Container Disposal

Empty and rinse at least 3 times before disposal. Do not discharge the rinsed water directly into any water course, drain or water source. Do not contain the used container with water for human and animal use, food or animal feed. The empty container should be rendered unusable before disposal. Disposal of use container should be carried out by an approved chemical disposal company.

14. TRANSPORT INFORMATION

UN number	: 3077
Dangerous Goods Class	: 9
Packing group	: III
Proper shipping name	: Environmentally hazardous substance, solid. n.o.s.

15. REGULATORY INFORMATION

Risk Phrases

R22 Harmful if swallowed.
R25 Toxic to aquatic organisms
R53 May cause long term adverse effects in the aquatic environment.

Safety Phrases

S2 Keep out of the reach of children
S13 Keep away from food, drink and animal feeding stuffs.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

Date Created: 19 January 2015

Date Revised: 30 March 2022

Reason for Revision: Addition of information

The data given in this sheet is based on current knowledge and experience and is given in good faith but without guarantee or accuracy and no liability is accepted for any insufficient or inaccuracy in such data any case whatsoever.

The purpose of this Material Safety Data Sheet is to describe the product in terms of their safety requirement. The data does not signify any warranty with regards to the materials, properties or use.
