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PREPARED BY: AVIMA (PTY) LTD
UPDATED: 5 October 2018

MATERIAL SAFETY DATA SHEET

OXAMYL 10 GR

1. COMPANY DETAILS

Name: Avima (Pty) Ltd
Address: 18 Aschenberg Street, Chamdor, Krugersdorp, South Africa
Tel. Nr.: +27 (0)11 769 1300
Emergency Tel Nr.: Griffon Poison Information Centre: +27 (0)82 446 8946
Trade Name: OXAMYL 10 GR
Use: A granular remedy for protection of potatoes, sugar cane, tobacco and tomatoes against root knot nematodes and the control of nematodes on bananas and sugar cane.

2. PRODUCT IDENTIFICATION

Chemical Family : Oxamyl
Chemical Family : Carbamate
Chemical Name (IUPAC) : N,N-dimethyl-2-methylcarbamoxyloxyimino-2- (methylthio)acetamide
Molecular Formula : C₇H₁₃N₃O₃S
UN Nr. : 2902
C.A.S. Nr. : 23135-22-0

3. COMPOSITION

Chemical name: Oxamyl: methyl 2-(dimethylamino)-N-[[[(methylamino)carbonyl]oxy]-2-oxoethanimidothioate. A soluble concentrate nematicide.

Hazardous Ingredients:	CAS No:	g/kg:	Symbol:	Risk phrases:
Oxamyl	23135-22-0	100	T+, N	R21/23/25/R51



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4. HAZARD IDENTIFICATION

Toxic if swallowed.
Toxic by inhalation.
Toxic to aquatic organisms.

5. FIRST AID MEASURES

KEEP STRICTLY AT REST AS CONTINUED MOVEMENT ENHANCES THE EFFECTS OF CHOLINESTERASE INHIBITION.

Eye Contact: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. If eye irritation persists, obtain medical attention.

Skin Contact: Immediately remove all contaminated clothing. Wash skin immediately with cold water, followed by soap and water. Do not rub the skin. Such action is essential to minimise contact with the skin. Contaminated clothing should be washed before re-use.

Inhalation: Remove patient from exposure. Seek medical advice immediately and show the container, label, or this Data Sheet, if possible.

Ingestion: Do not induce vomiting and never give anything by mouth to an unconscious patient. Seek medical advice immediately and show the container, label, or this Data Sheet, if possible. The decision of whether to induce vomiting should be made by the attending physician.

Further Medical Treatment: Atropine sulphate is the specific antidote and may be given immediately by qualified staff, at a level of 2 – 5 mg (intramuscularly) every 20 minutes until atropinization occurs. Considerable amounts of atropine may be necessary. Atropine must not be given to cyanosed patients, administer oxygen first. DO NOT use opiates or barbiturates. Following ingestion, absorbents such as charcoal may be of value. If gastric lavage or emesis is considered necessary, inhalation of gastric contents must be prevented.

6. FIRE FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing Media: For small fires use foam, carbon dioxide, dry powder extinguishant. For large fires use foam or water fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.



Fire Fighting Protective Equipment :

A self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

7. ACCIDENTAL RELEASE MEASURES

Personal Protection: Ensure suitable protection during removal of spillage.
This means wearing a face mask that gives protection against organic vapours, eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods: Absorb spillage onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Flush the spillage area with water. Washing must be prevented from entering surface water drains.

Spillage or uncontrolled discharges into surface drains, sewers or water courses must be alerted to the Department of Water Affairs/Environment.

8. HANDLING AND STORAGE

Handling:

Read the label before use.

Avoid contact with skin and eyes. Avoid inhalation of spray mist.

When using do not eat, drink or smoke. Wash hands and face before eating, drinking or smoking.

Safe storage:

Store under lock and key. Keep in original container, tightly sealed.

Store in a cool, dry place away from food, drink and animal feedstuffs.

Storage Life:

Physically and chemically stable for at least 2 years when stored in the original, unopened sales container at ambient temperatures.

9. EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering controls:

Employee exposure should be minimised using traditional techniques such as enclosed system design and/or local exhaust ventilation.

Exposure Limits: No exposure limits are available for this material.

Personal Protection: Respiratory: The usual precautions for handling chemicals should be observed.
Hands: Wear rubber gloves.
Eyes: Wear face shield or safety goggles.
Skin & body: Wear suitable protective clothing and rubber boots.

10. PHYSICAL AND CHEMICAL CHARACTERISTICS

Form: Solid (granular)
Colour: Grey
Odour: Garlic
Boiling point: Slightly pungent
Flash point: Does not flash
Auto ignition Temp.: Not applicable
Explosive properties: Not applicable
Explosive limits: Not available
Oxidizing properties: Not available
Vapour pressure: Not applicable
Specific Gravity: Not available
Solubility in water: Miscible in/with water

11. STABILITY AND REACTIVITY DATA

Hazardous decomposition products:

Combustion and thermal decomposition may evolve toxic and irritant vapours.

12. TOXICOLOGICAL INFORMATION

Acute Toxicity (Lethal Doses) Acute Oral LD50 (rats) : 59.9 mg/kg (male) 8,0 mg/kg (female)(calculated) Toxic if swallowed.

Acute Dermal LD50 (rabbits) : 5027 mg/kg (female) (calculated)

A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

Inhalation: LC50 (1 hour)(atomised spray) (rats) : 1.7 mg/l air (male) 0,127 mg/litre/air (female) (technical material) Unlikely to cause harmful effects when handled and used as directed on the label.



Acute Toxicity (Irritation, sensitisation, etc.)

Eye irritation: May cause slight eye irritation.

Skin irritation: None.

Skin sensitisation (guinea pig): Not a skin sensitiser.

13. ECOLOGICAL INFORMATION

Aquatic Toxicity

Fish

LC50 (96 h) rainbow trout: 4,2 mg/l: bluegill sunfish: 5,6 mg/l: (technical material)

Toxic to fish.

Aquatic organisms

Daphnia LC50 (48 h) : 0,319 mg/l: Algae: EC50 (72 h) : 3,3 mg/l: (technical material)

Toxic to aquatic organisms.

14. DISPOSAL CONSIDERATION

Disposal methods: Do not contaminate rivers, dams or any other water source with the chemical or used containers. Drain and triple rinse containers and then destroy by perforation and flattening. Bury in an approved dumping site. Do not re-use for any other purpose.

Disposal packaging: Invert the empty container over the spray or mixing tank and allow to drain for at least 30 seconds after the flow has slowed down to a drip. Thereafter rinse the container three times with a volume of water equal to a minimum of 1 % of that of the container. Add the rinses to the contents and the spray tank and destroy the empty container by perforation and flattening and dispose of as toxic waste in accordance with local / national regulations. Do not use for any other purpose.

15. TRANSPORTATION DATA

Road Transport ADR/RID

UN Number : UN 2757

Class-primary : 6.1

Subsidiary : -

UN Pack.Group : III

Exempt Quantity : 100 kg. Factor F : 10

P.S.N. : Carbamate Pesticide, Solid, Toxic, N.O.S. (contains oxamyl 10 %)



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Air Transport ICAO/IATAID

UN Number : UN 2757
Class-primary : 6.1
Subsidiary : -
UN Pack.Group : III
Exempt Quantity : 100 kg. Factor F : 10
P.S.N. : Carbamate Pesticide, Solid, Toxic, N.O.S. (contains oxamyl 10 %)

Maritime Transport ADR/RID

UN Number : UN 2757
Class-primary : 6.1
Subsidiary : -
UN Pack.Group : III
Exempt Quantity : 100 kg. Factor F : 10
P.S.N. : Carbamate Pesticide, Solid, Toxic, N.O.S. (contains oxamyl 10 %)

P.S.N. Proper Shipping Name

16. REGULATORY INFORMATION

Danger Group : II yellow band RSA
Hazard Symbols : T+ (Very toxic)
N (Dangerous to the environment)
Risk Phrases : R21: Harmful in contact with the skin
R23 Toxic by inhalation
R25 Toxic if swallowed
R51: Toxic to aquatic organisms.
Safety Phrases : S01/02: Keep locked up and out of reach of children.
S13: Keep away from food, drink and animal feeding stuff.
S28: After contact with the skin wash immediately with water and soap.
S36/37/39: Wear suitable protective clothing, gloves and eye/face shield.
S46: If swallowed , seek medical advice and show this Data Sheet or container.

Use: A nematicide.

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The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product.

It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.

All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequence thereof.