

MATERIAL SAFETY DATA SHEET

Company Details

Name	Afrivet Business Management(Pty)Ltd	Emergency Phone Number	0860833278
Address	P.O Box 2009	Tel	+27(0)129916416
	Faerie Glen	Fax	+27(0)129916417
	0043		

1. Product and Company Identification:

<u>Trade / Commercial Name</u>	COOPERZON 30		
<u>Chemical Name</u>	pesticides organophosphorus, liq, toxic, NOS (immiscible with water)		
<u>Formula</u>	Diazinon (ISO)		
<u>Chemical Family</u>	organophosphate insecticide		
<u>Synonyms</u>			
<u>Un No</u>	3018	<u>Hazchem Code</u>	3we
<u>ERG No.</u>	152	<u>EAC</u>	55

2. Hazards Identification:

Flammable

Toxic

Causes severe damage to eyes, to skin, to air passages.+

The substance poisons: by absorption through the skin, by inhalation, by ingestion.

Decomposition in a fire: production of toxic fumes. Symptoms may develop after several hours.

3. Composition:

Hazardous Components pesticides organophosphorus, liq, toxic, NOS (immiscible with water)

4. First Aid Measures

<u>First Aid Skin</u>	Flush skin with lots of water for at least 15 minutes whilst removing clothing and foot ware, first aider must be properly clothed in protective clothing at all times. isolate contaminated clothing and shoes in appropriate waste disposal material For minor skin contact, avoid spreading material on unaffected skin. Keep patient warm and calm
<u>First Aid Eyes</u>	Flush eyes with water for 20 minutes. Hold eyelids open while washing, first aider must wear protective gloves, use warm water to flush eyes.
<u>First Aid Ingested</u>	Seek medical treatment as soon as possible, do not administer CPR due to high risks of toxic poisoning
<u>First Aid Inhalation</u>	Move victim to fresh air. If not breathing give artificial respiration. Do not use mouth-to-mouth, if victim has inhaled or ingested the substance; induce artificial respiration with the aid of a pocket mask with a one-way valve. If breathing of victim is difficult administer oxygen. Effects of exposure may be delayed.

5. Fire Fighting Measures

Small Fires: Dry chemical, CO2 or water spray.

Large Fires: Water spray, fog or regular foam - Do not use water jet. Move containers from fire area if you can do it without risk.

Dike fire control water for later disposal; do not scatter the material. Do not use straight streams.

Fire involving Tanks or Bulk Containers: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.

Do not get water inside containers. ALWAYS stay away from the ends of tanks.

Cool containers with flooding quantities of water until well after fire is out.

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Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.

For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Isolate spill or leak area immediately for at least 25 to 50 metres (80 to 160 feet) in all directions.

Keep unauthorized personnel away. Stay upwind. Keep out of low areas.

Wear positive pressure self-contained breathing apparatus (SCBA).

Wear chemical protective clothing which is specifically recommended by the manufacturer.

Structural firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.

If ROAD OR RAIL TANKER is involved in a fire, ISOLATE for 800 metres (1/2 mile) in all directions;

also, consider initial evacuation for 800 metres (1/2 mile) in all directions.

6. Accidental Release Measures

PRECAUTIONS:

Restrict access to area.

Provide adequate protective equipment and ventilation.

Remove sources of heat and flame.

Notify occupational and environmental authorities

SPILL OR LEAK:

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Stop leak if you can do it without risk.

Prevent entry into waterways, sewers, basements or confined areas.

Cover with plastic sheet to prevent spreading.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

DO NOT GET WATER INSIDE CONTAINERS.

7. Handling And Storage

Separation of at least 3M from the following classes is recommended.

Corrosives

Fire separation of at least 5M or 4Hr fire resistant wall

from the following classes is recommended.

Flammable Gases

Flammable Liquids

Flammable Solids

Spontaneously Combustibles

Dangerous When Wet

Oxidizing Agents

Storage in the same room or space is prohibited with the following classes:

The rooms or spaces should be at least 10M apart.

Explosives

Organic Peroxides

8. Exposure Controls/Personal Protection

<u>Occupational Exposure Limits</u>	T	W	A	OEL-RL	SHORT TERM	OEL-RL
				PPMa)		MG/M3b)
				-		.1 to 10
						0.3 SK

Controls

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release.

Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside.

Supply sufficient replacement air to make up for air removed.

Have a safety shower/eye wash fountain readily available in the immediate work area

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Personal Protection

If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including chemical safety goggles & face shield, boots, imperious gloves, coveralls, & respiratory protection.
Have appropriate equipment available for use in emergencies.

9. Physical & Chemical Properties

Colourless to slightly yellow oily liquid , very strong odour
Solubility in water: Emulsifies in water.

Boiling Point: The lowest known value is 34oC , Weighted average: 149.3o C

Density: 1,09g/cm³ at 20o C

Vapour density: Highest known value is 4,1 (Air=1), Hydrocarbon Petroleum aromatic. Weighted average: 3,65

Vapour pressure: Highest known value is 0,5kPa (at 20 o)

10. Stability And Reactivity

Conditions to Avoid

Stable.
Susceptible to oxidation.

Incompatible Materials

Strong oxidants.

Other

Slowly decomposed by water and dilute acids.
Decomposes above 120 oC.

11. Toxicological Information

Highly toxic, may be fatal if inhaled, swallowed or absorbed through skin.
Contact with molten substance may cause severe burns to skin and eyes.
Effects of contact or inhalation may be delayed.

Acute oral LD50 for rats: 300-400 mg technical/kg

Acute dermal LD50 for rats: > 2 150 mg/kg

Effects of overexposure:

Headaches, dizziness, weakness, incoordination, muscle twitching, tremor, nausea, abdominal cramps, diarrhoea and sweating as common symptoms.

Blurred or dark vision, confusion, tightness in the chest, wheezing, productive cough and pulmonary edema may occur.

Incontinence, unconsciousness and convulsions indicate severe poisoning.

Slow heartbeat, salivation and tearing are common.

Toxic psychosis, with manic or bizarre behaviour, has led to misdiagnosis of acute alcoholism.

Slowing of the heartbeat may rarely progress to complete sinus arrest.

Respiratory depression may be fatal.

12. Ecological Information

Very toxic to aquatic invertebrates. Dangerous to bees.

DO NOT contaminate streams, rivers or waterways with this product or the used container.

13. Disposal Considerations

Disposal Method Product

There are no uniform EC regulations for the disposal of chemicals or residues.
Chemical residues generally count as special waste.

The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations.

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We recommend that you contact the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.
Disposal Method Packaging Disposal in accordance with local legal provisions.

14. Transport Information

<u>UN No</u>	3018	<u>Hazchem Code</u>	3we
<u>ERG No.</u>	152	<u>EAC</u>	55
<u>IMDG-Shipping Name</u>	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC		
<u>IMDG Code</u>	6146	<u>IMDG-Packaging Group</u>	I/II/III
<u>Marine Pollutant</u>	Yes		
<u>Class</u>	Class: 6.1 Poison Group: III		
<u>Subsidiary Risks</u>	None		

15. Regulatory Information

<u>EEC Hazard Classification</u>	6.1
<u>Risk Phrases</u>	R10 Flammable. R26 Very toxic by inhalation. R27 Very toxic in contact with skin. R28 Very toxic if swallowed. R36 Irritating to eyes. R68 Possible risk of irreversible effects.
<u>Safety Phrases</u>	S7 Keep container tightly closed. S9 Keep container in a well-ventilated place. S27 Take off immediately all contaminated clothing. S38 In case of insufficient ventilation, wear suitable respiratory equipment. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)

National Legislation

16. Other Information

Reason for Alteration: General update.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properness of the product.

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