

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name: Nufog Dual Action

Use: Public Health / Farming / Industrial / Pest Control

Company Name:

Coopers Manufacturing CC
Reg. No. 2004/01564/23
P.O. Box 14374
BREDELL 1623
SOUTH AFRICA
TEL: (+27)11 979 4246/7

Emergency Contact Numbers:

Griffon Poison Information Centre: (+27)82 446 8946

2. HAZARD IDENTIFICATION

Important hazards:

GHS classification of the mixture	
Hazard classes / categories	Hazard codes
Aerosols 1	H222 H229
Skin Irritation 2	H315
Skin sensitization 1	H317
Eye irritation 2	H319
Aspiration Toxicity 1	H304
STOT SE 3	H336
Aquatic Chronic 1	H410

GHS classification: Uncategorized

Hazard pictograms:



Signal word: Danger

Hazard statements:

- H222: Extremely flammable aerosol.
- H229: Pressurized container: may burst if heated.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H304: May be fatal if swallowed and enters airways.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

Other hazards:

No additional hazards identified.

Precautionary statements:

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211: Do not spray on an open flame or other ignition source.
- P251: Do not pierce or burn, even after use.
- P261: Avoid breathing mist, vapours and spray.
- P264: Wash hands and face thoroughly after handling.
- P280: Wear impervious rubber gloves and boots, protective clothing and chemical safety goggles.
- P301+P310: IF SWALLOWED: Immediately call a POISON CENTER.
- P302+P352: IF ON SKIN: Wash with plenty of water and non-abrasive soap.
- P305+351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312: Call a poison centre if you feel unwell.

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs: get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P362+P364: Take off contaminated clothing and wash it before reuse.

P405: Store locked up.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

P501: Dispose of content/container to suitable landfill in accordance with local regulations.

3. COMPOSITION INFORMATION ON INGREDIENTS:

Hazardous components:

CAS NO	HAZARDOUS COMPONENT	CONCENTRATION	GHS CLASSIFICATION
114-26-1	Propoxur	1 %	H301: Acute Tox. 3 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
68359-37-5	Cyfluthrin	0.025 %	<i>Minute quantity does not affect the formulation hazards</i>
62-73-7	Dichlorvos	0.5 %	H301: Acute Tox. 3 H311: Acute Tox. 3 H317: Skin Sens. 1 H330: Acute Tox. 2 H400: Aquatic Acute 1 (M=1000)
Mixture	Solvent DB	> 25%	H225: Flam. Liquid 2 H315: Skin Irritant 2 H304: Aspiration Tox. 1 H336: STOT SE 3 H400: Aquatic Acute 1 H410: Aquatic Chronic 1
122-51-0	Triethylorthoformate	< 1%	<i>Minute quantity does not affect the formulation hazards</i>
67-64-1	Acetone	> 10%	H225: Flam. Liquid 2 H319: Eye Irritation 2 H336: STOT SE 3
Mixture	Butane 40	> 25%	H220: Flammable gas H280: Pressurized gas (liquid)

4. FIRST AID MEASURES:

Skin contact: IF ON SKIN: Wash with plenty of water and non-abrasive soap. If skin irritation occurs: get medical advice.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting.

Inhalation: IMMEDIATELY remove to fresh air. If not breathing give artificial respiration and call a doctor immediately. Do not give mouth-to-mouth without a mouthpiece. If breathing of victim is difficult administer oxygen for a maximum period of one hour.

5. FIRE FIGHTING MEASURES:

Small fires: Dry chemical, CO₂, Halon.

Large fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk. Cool containers that are exposed to flames with water from the side until well after the fire is out. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Positive pressure self-

contained breathing apparatus (SCBA) and structural fire fighter's protective clothing will provide limited protection.

6. ACCIDENTAL RELEASE MEASURES:

Breathing apparatus for fire only. Contain (avoid spillage from entering drains or water courses).

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: Stop leak if you can do it without risk.

7. HANDLING AND STORAGE:

Handling:

Fire separation of at least 5 m or 4 hr fire resistant wall from the following classes is recommended: Flammable gases, flammable liquids, flammable solids, dangerous when wet, poison, corrosives.

Storage: In the same room or space is prohibited with the following classes: Explosives, spontaneously combustibles, oxidizing agents, organic peroxides, radioactive. The rooms or spaces should be at least 10 m apart.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION:

Exposure limits: No exposure limits established.

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.

Personal protection during manufacture:

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**.

Protective clothing during normal use: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	Liquefied gas
Appearance:	Aerosol can
Colour:	Yellow to brown
Odour:	Characteristic odour
Flash point:	> 45 °C
Vapour pressure:	Not established
Vapour Density:	Not available
Boiling point:	Not established
pH:	Not established
Flash Point:	Not established
Flammability:	Highly flammable. Do not spray uninterrupted for more than 10 seconds in confined spaces. Keep away from naked flames.
Auto ignition temperature:	Not established

10. STABILITY AND REACTIVITY:

Chemical stability:	Stable under normal conditions of use.
Hazardous polymerisation:	None
Conditions to avoid:	Highly flammable. Do not puncture or incinerate can. Store at normal room temperature. Do not spray uninterrupted for more than 10 seconds in confined spaces. Keep away from naked flames. Ensure good ventilation .
Incompatible materials:	Not available

Hazardous decomposition products: In the event of fire, gaseous oxides of carbon and nitrogen may be released.

11. TOXICOLOGICAL INFORMATION:

Toxicological Information:

Formulated product:

LD50, oral (calculated): > 5000 mg/kg
LD50, dermal (calculated): > 5000 mg/kg
LD50, inhalation (calculated): > 5 mg/l (vapour)

12. ECOLOGICAL INFORMATION:

No ecological problems are expected when the product is handled and used with due care.

13. DISPOSAL CONSIDERATIONS:

Disposal method product: Do not puncture or incinerate the can.

Disposal method packaging: Disposal in accordance with local legal provisions.

14. TRANSPORT INFORMATION :

ADR/AND/DOT/IMDG/IATA:

UN number: 1950

Hazard class or division: 2

Packaging Group: N/A

UN Proper Shipping Name: AEROSOLS

15. REGULATORY INFORMATION:

Classification and labelling in accordance with the EC Directive on dangerous preparations 1999/45/EC as amended.

Classification: Labelling according to EC Directives:

Hazardous components which must be listed on the label: Cyfluthrin, propoxur, dichlorvos.

Symbol(s):

N: Dangerous for the environment.

R-phrase(s):

R10: Flammable.

R36/37/38: Irritating to eyes, respiratory system and skin.

R43: May cause sensitization by skin contact.

S-phrase(s):

S1/2: Keep locked up and out of the reach of children.

S24: Avoid contact with skin.

Exceptional labelling: To avoid risks to man and the environment, comply with the instructions for use.

WHO Classification: II (Moderately hazardous).

16. OTHER INFORMATION:

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.