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| MATERIAL SAFETY DATA SHEET |
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1) CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: Nu Pro Aerosol
Usage: Insecticide

Company identification: Fountain Chemicals
P.O. Box 73184
Lynwood Ridge
0040
South Africa

Telephone: 011 316 4732

In case of poisoning emergencies:
Tygerberg Poison Centre: +27 21 931 6129
Griffon Poison Centre: +27 82 446 8946

2) HAZARD IDENTIFICATION OF THE PRODUCT

Dichlorvos, liquid, immiscible in water.
Highly flammable.
May evaporate quickly.
The vapour may be invisible.
The vapour is heavier than air and spreads along ground.
Heating will cause pressure rise, severe risk of bursting and subsequent explosion.
Highly toxic.
The substance may poison: by inhalation/by ingestion/ by absorption through skin.
Symptoms may develop after several hours.
Decomposition in a fire: production of toxic fumes. The effect of inhalation may be delayed.
May have irritant effects on eyes, skin, and on air passages.

3) COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Hazardous ingredients

Dichlorvos 124g/kg
CAS Number: [62-73-7]
An organophosphate based aerosol

4) **FIRST-AID MEASURES**

- Skin contact:** Remove and isolate contaminated clothing including shoes.
Flush body with plenty of soap for at least 20 minutes.
Wash skin with soap and water.
Keep victim warm and quiet. Keep victim under supervision.
- Eye contact:** Flush eyes with water for 20 minutes.
Hold eyelids open while flushing.
- Ingestion:** Rinse out mouth and give water in small sips to drink. Do NOT induce vomiting.
If swallowed, seek medical advice immediately and show this container or label.
- Inhalation:** IMMEDIATELY remove 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**

CAUTION: All these products have a very low flashpoint: Use of water spray when fighting fire may be inefficient.

Small fires: Dry chemical, CO₂, water spray or alcohol-resistant foam.

Large fires: Water spray, fog or alcohol resistant foam. 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. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Wear positive pressure self-contained breathing apparatus (SCBA)

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

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

6) **ACCIDENTAL RELEASE MEASURES**

Precautions:

Restrict access to area.

Provide adequate protective equipment and ventilation

Remove sources of heat and flame.

7) **HANDLING AND STORAGE**

Separation of at least 3m for the following classes is recommended.

Corrosives

Fire separation of at least 5m or fire resistant wall from the following classes is recommended.

Flammable gases, flammable solids, spontaneously combustibles

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

Explosives, oxidizing agents, organic peroxides, radioactive compounds.

8) EXPOSURE CONTROL/PERSONAL PROTECTION

Occupation Exposure limits

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 directly available in the immediate work area.

Personal Protection:

Wear suitable personal protection equipment, including chemical safety goggles, imperious gloves, coveralls, & respiratory protection. Have appropriate equipment available for use in emergencies.

9) PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Atomizer can

10) STABILITY AND REACTIVITY

Conditions to avoid: Stable

Incompatible materials: None

11) TOXICOLOGY INFORMATION

Toxic; may be fatal if inhaled, ingested, or absorbed through skin.

Inhalation or contact with some of these materials will irritate or burn skin and eyes.

Vapours may cause dizziness or suffocation.

Acute Oral-rat LD₅₀ 200mg/kg

Acute Dermal-rat LD₅₀ 600mg/kg

Acute Inhalation-rat(4h/20°C) LC₅₀ 600mg/m³

IL/calculated, LC₅₀ 200mg/m³

12) ECOLOGICAL INFORMATION

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

13) DISPOSAL CONSIDERATIONS

There are no uniform EC regulations for the disposal of chemical 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.

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,

14) **TRANSPORT INFORMATION**

UN No. 1950

ERG No.

EAC

IMDG-Packaging Group: II

Marine Pollutant Yes

Class 2 Flammable liquid Group: I/II

Subsidiary risks: AEROSOL

Tremcard Number: 30G61

15) **REGULATORY INFORMATION**

EEC Hazard Classification

Risk Phrases Toxic by inhalation, in contact with skin and if swallowed.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

If you feel unwell, seek medical advise (show the label where possible)

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.