

**Company Details**

Name FOUNTAIN CHEMICALS  
Address P.O. BOX 73184  
LYNNWOOD RIDGE  
0040  
SOUTH AFRICA

Emergency Phone Number (011) 392-7585  
Tel (011) 392-7585  
Fax (011) 392-7586

**1. Product and Company Identification:**

Trade / Commercial Name Nu Pro AEROSOL  
Chemical Name dichlorvos  
Formula 2,2 -dichlorovinyl dimethyl phosphate  
Chemical Family organophosphate  
Synonyms DDVP  
Un No 1950  
ERG No.

Hazchem Code  
EAC

**2. Composition:**

Hazardous Components dichlorvos, liq, immiscible with water

**3. Hazards Identification**

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 effect: on eyes, on skin, on air passages.

**4. First Aid Measures**

First Aid Skin Remove & isolate contaminated clothing, including shoes.  
Flush body with plenty of water for at least 20 minutes.  
Wash skin with soap and water.  
Keep victim warm and quiet. Keep victim under observation.

First Aid Eyes Flush eyes with water for 20 minutes.  
Hold eyelids open while washing.

First Aid Ingested Seek medical treatment.

First Aid 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 flash point: Use of water spray when fighting fire may be inefficient.  
Small Fires: Dry chemical, CO<sub>2</sub>, 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 firefighters' protective clothing is recommended for fire situations ONLY; it is not effective in spill situations.

**6. Accidental Release Measures**

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 consequences thereof.

**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 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 Solids

Spontaneously Combustibles

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

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

Explosives

Oxidizing Agents          Organic Peroxides

Radioactive

**8. Exposure Controls/Personal Protection**Occupational Exposure LimitsControls

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

Wear suitable personal protection

equipment, including chemical safety goggles,

imperious gloves, coveralls, & respiratory protection.

Have appropriate equipment available for use in emergencies.

**9. Physical & Chemical Properties**

Appearance: Atomizer can

**10. Stability And Reactivity**

Conditions to Avoid          Stable.

Incompatible Materials

None.

Other

None.

**11. Toxicological 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 ca 200 mg/kg

Acute Dermal-rat LD50 ca 600mg/kg

Acute Inhalation-rat (4h/20 degree) LC50 ca 600mg/m3

IL/ calculated, LC 50 ca 200mg/m3

**12. Ecological Information**

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

**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. 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**

UN No 1950

ERG No. EAC  
IMDG-Packaging Group II

Marine Pollutant Yes

Class Class: 3 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

Safety Phrases Keep out of reach of children  
Keep away from food, drink and animal feeding stuffs  
If you feel unwell, seek medical advice (show the label where 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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