

1. IDENTIFICATION

Preparation

: **DEXURON**

Supplier

: Nomix Enviro Ltd, Portland Building,
Portland Street, Staple Hill, Bristol BS16 4PS.
Tel. 0117 9574 574 Fax. 0117 9563 461

Chemical Emergency Agency Service (24 hr): Tel. 01865 407 333

2. COMPOSITION/INFORMATION ON

INGREDIENTS

Composition : A non-selective contact herbicide, An aqueous suspension with emetic agents, stench.

Hazardous Ingredients(S) : **CAS No.** **g/l** **Symbol** **R Phrases**

Paraquat (as paraquat ion) : 004685-14-7 100 T R24/25
R36/37/38

Diuron:3-(3,4-dichloro phenyl)-1,1-dimethylurea : 000330-54-1 300 Xn R48/22

Paraquat Emetic : 027277-00-5 <10 T R25

Registration No: **07169**

3. HAZARDS IDENTIFICATION

Human health effects:

POISON: PARAQUAT CAN KILL IF SWALLOWED.

DO NOT PUT IN A FOOD OR DRINKS CONTAINER.

THE POISONS RULE 1982, AVAILABLE FROM HSMO APPLIES TO THIS PRODUCT.

Toxic if swallowed.

Harmful in contact with skin.

Irritating to eyes and skin. May cause irritation to the respiratory system.

Environmental effects: Toxic to aquatic organisms

4. FIRST-AID MEASURES

OBTAIN IMMEDIATE MEDICAL ATTENTION - SPEED IS ESSENTIAL.

Refer to the booklet 'The Treatment of Paraquat Poisoning'.

For further advice contact: CARECHEM 24 on 01865 407 333

Inhalation:

Remove patient from exposure, keep warm and at rest. Obtain medical attention.

Skin contact:

Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin.

Obtain medical attention.

Contaminated clothing should be laundered before re-issue.

Eye Contact:

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart. for at least 10 minutes.

Obtain immediate medical attention.

Ingestion:

OBTAIN IMMEDIATE MEDICAL ATTENTION. SPEED IS ESSENTIAL.

Immediately transfer patient to nearest hospital or medical centre, warning by telephone of the estimated arrival time so that the start of treatment is not delayed.

Further Medical Advice:

Induce vomiting. Give up to 1 litre of 15% aqueous suspension of Fullers's Earth orally or via gastric tube together with a suitable purgative (200 ml of a 20% aqueous solution of mannitol).

HOSPITAL TREATMENT: Refer to the booklet 'The Treatment of Paraquat Poisoning.' (Guide for Doctors).

Wash out stomach and test urine and gastric aspirate (if clear) for presence of Paraquat.

Repeat administration of absorbent plus purgative until absorbent is seen in the stools. This should normally take between 4 and 6 hours after the start of treatment.

Do not use supplemental oxygen.

5. FIREFIGHTING RELEASE MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing media:

For small fires, use foam, carbon dioxide, dry powder or halon 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 should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure suitable personal protective during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls.

Methods of cleaning up:

Adsorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal.

Wash the spillage area with water. Washings must be prevented from entering surface water drains.

Environmental precautions :

Spillages or uncontrolled discharges into water courses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

Handling:

Read the label before use.

Avoid contact with skin and eyes.

Do not breath spray.

When using do not eat, drink or smoke.

Wash face and hands before eating, drinking or smoking.

Storage:

Keep locked up. Keep in original containers, tightly closed, out of reach of children.

Keep away from food drink and animal feeding stuffs.

Storage Life: 1 year under temperate conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

When using this product refer to the label for details.

Occupational exposure limits

| | : | LTEL 8hr(TWA) | | STEL | | |
|--|---|---------------|-------|------|-------|-----|
| HAZARDOUS INGREDIENT(s) | | ppm | mg/m3 | ppm | mg/m3 | |
| Paraquat Dichloride (Respirable Dust) | : | - | 0.1 | - | - | OES |
| Diuron | : | - | 10 | - | - | OES |
| Paraquat Emetic COM | : | - | 0.02 | - | - | |

Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|----------------------------|---|----------------------------|
| Form | : | liquid |
| Colour | : | blue |
| Odour | : | characteristically pungent |
| Flash Point | : | Does not flash |
| Density (g/ml) | : | 1.13 at 20 °C |
| Solubility in water | : | miscible |

10. STABILITY AND REACTIVITY**Conditions to avoid:**

Paraquat is highly corrosive to most metals eg, aluminium, zinc, iron.

Materials to avoid and hazardous**decomposition products:**

Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION**Inhalation:**

High concentrations of mist may be irritant to the respiratory tract.

Nose bleeding and soreness of the throat may result from spray mist or dust trapped on the nasal mucosa.

If this occurs review spraying and handling technique.

Skin Contact:

By consideration of the components of this mixture it is likely to be irritant and harmful in contact with skin.

Dermal LD₅₀ rat (calculated): approx 2500mg/kg.

Eye Contact:

Irritating to eyes.

Ingestion:

Toxic if swallowed.

PARAQUAT CAN KILL IF SWALLOWED

Long Term Exposure:

No long term risks to man are associated with the normal handling and use of this material.

12. ECOLOGICAL INFORMATION**Toxicity:**

This ecological assessment is calculated from data available on the components of the formulation.

Aquatic toxicity:

Harmful to fish. (Not necessarily identical to the EC classification risk phrases).

LC₅₀ (rainbow trout 96 hour) = approx 20mg/l.

13. DISPOSAL CONSIDERATIONS

Product:

Do not contaminate ponds, waterways or ditches with chemical or used containers. Dispose of product concentrate, diluted product and empty containers according to the 'Code of Practice for the Safe Use of Pesticides on Farms and Holdings' available from HMSO.

Container:

Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

UN No. : 3016 (IMDG)

Packing. Group : III

Road/Rail

ADR/RID Class : 6.1 TOXIC SUBSTANCE

15. REGULATORY INFORMATION

This product is covered by the control of Pesticides Regulations, 1986. It has therefore been labelled in accordance with these Regulations. Users should ensure that they comply with any relevant legislation.

Hazard Symbols: T, Toxic
N, Dangerous for the environment

Risk Phrases:
R25: Toxic if swallowed.
R21: Harmful in contact with skin.
R36/38: Irritating to eyes and skin.
R51: Toxic to aquatic organisms
R53: May cause long term adverse effects in the aquatic environment

Safety Phrases:

S2:Keep out of reach of children.

S13:Keep away from food, drink and animal feeding stuffs.

S20/21: When using do not eat, drink or smoke.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S45:In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

S53:Do not reuse container, keep tightly closed in a safe place.

16. OTHER INFORMATION

The information contained within this Material Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other national health and safety legislation such as the Health and Safety at Work Act (1974) and the Control of Substances Hazardous to Health Regulations (1988).

Read the label before you buy: Use pesticides safely.

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