

EC Safety Data Sheet

ZENECA Agrochemicals

'REGLONE'

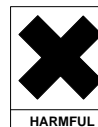
Version: 10

Last change: 07/09/99

Date of issue: 07/09/99

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : 'REGLONE'
Company : ZENECA Agrochemicals
Fernhurst
Haslemere
Surrey GU27 3JE
Phone number : (01428) 644061 **Fax:** (01428) 652922
Emergency phone : (01622) 814777



2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description

A bipyridyl contact herbicide.
An aqueous solution containing corrosion inhibitors.

EEC-No. : 201-579-4 Diquat dibromide

Hazardous ingredients	CAS-No.	Hazard symbols	Risk Phrases	Concentration
Diquat dibromide (Classification according to Directive 67/548/EEC)	85-00-7	T+,N	R22-R26-R36/37/38 -R43-R48/25-R50/5 3	374 g/l

EQUIVALENT TO: 200g/l DIQUAT ION.

3. HAZARDS IDENTIFICATION

Harmful if swallowed.
Harmful to livestock.

4. FIRST AID MEASURES

For further advice on treatment, contact ZENECA Agrochemicals 24 hour emergency number:-

Maidstone (01622) 814777

Or the nearest Poisons Information Centre.

Eye contact : Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate 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 immediate medical attention. Contaminated clothing should be laundered before re-issue.

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

Ingestion : SPEED IS ESSENTIAL.

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OBTAIN IMMEDIATE MEDICAL ATTENTION.
Do not induce vomiting.

Medical advice

Give up to 1 litre of 15% aqueous suspension of Fuller's Earth orally or via gastric tube, together with a suitable purgative (200 ml of a 20% aqueous solution of mannitol). If ingested, wash out the stomach and test urine for the presence of diquat. If there is severe mouth ulceration give nothing by mouth until patient's condition has improved. Give intravenous fluids only.

Eye contact:- Severe damage may be caused by apparently trivial contact and healing may be delayed. Medical supervision should continue until complete healing has occurred.

5. FIRE FIGHTING MEASURES

Keep fire exposed containers cool by spraying with water.

Extinguishing media : For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective Equipment : A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Rapid decontamination of diquat spillages is essential:- crystalline material from dried concentrate may become suspended in air causing irritation and nosebleeds. Ensure suitable personal protection during removal of spillages. This means wearing eye protection, chemically resistant gloves, boots and coveralls.

Clean up methods : Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

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

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7. HANDLING AND STORAGE**HANDLING**

Read the label before use.

Safe handling
advice: Avoid contact with skin and eyes. Do not breathe spray.
When using do not eat, drink or smoke. Wash face and hands
before eating, drinking or smoking.**STORAGE**Safe storage advice : Keep in original containers, tightly closed, out of reach
of children. Keep away from food, drink and animal feeding
stuffs. Protect from frost.

Storage Life

Physically and chemically stable for at least 2 years when
stored in the original unopened sales container at ambient
temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal protection**

When using this product refer to the label for details.

Occupational exposure limitsHazardous ingredient : Diquat dibromide OES/HSE
8 hr TWA 0.5 mg/m³
15 min STEL 1 mg/m³Not applicable to field use.

9. PHYSICAL AND CHEMICAL PROPERTIESForm : liquid
Colour : dark red-brown
Odour : odourless
Boiling point : approx 100 °C
Melting point : Not available.
Flash point : does not flash
Autoignition : Not available.
temperature
Explosive properties : Non-oxidising
Vapour pressure : Not available.
Density : 1.2 g/ml
at 20 °C
Solubility : soluble in/with water
pH-value (quant.) : 4 .. 5.5
Partition coeff. : Not available.

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Oxidizing properties : Non-oxidising

10. STABILITY AND REACTIVITY

Hazardous reactions
(materials to avoid) : The concentrated material is corrosive to most metals including zinc, aluminium and mild steel. This product contains corrosion inhibitors that protect application equipment at field rates.

Hazardous decomposition
products : Combustion or thermal decomposition will evolve toxic and irritant vapours.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (LETHAL DOSES)

This health hazard assessment is based on information available on similar formulations.

LD50 Oral male rats
: 1389 mg formulation/kg

LD50 Dermal rat
: > 2000 mg/kg

Inhalation
Unlikely to cause harmful effects when handled and used as directed on the label. 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.

ACUTE TOXICITY (IRRITATION, SENSITISATION ETC.)

Eye Irritation
: Mild irritant to rabbit eyes.

Skin Irritation
: Slight irritant to rabbit skin.

Skin Sensitisation - Buehler
: It is not a skin sensitiser in animal tests.

CHRONIC TOXICOLOGICAL EFFECTS / LONG TERM EXPOSURE

Long Term Exposure : Ocular effects (cataracts) have been reported following long term oral exposure of laboratory animals (rat and dog). This is not considered to be a risk to man when handled and used as directed on the label.

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12. ECOLOGICAL INFORMATION**ENVIRONMENTAL FATE AND DISTRIBUTION**

Diquat is rapidly adsorbed and de-activated by soil.

ECOTOXICITY

Unlikely to be hazardous to aquatic life.
Harmful to livestock.

13. DISPOSAL CONSIDERATIONS

Do not contaminate ponds, waterways or ditches with chemical or used containers. Surplus material must be disposed of as detailed in the 'Guidelines for the avoidance, limitation and disposal of pesticide waste on the farm' GCPF, 1987. Empty containers should be washed and discarded. Empty containers should not be used for other purposes. Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION**Road transport ADR/RID**

UN No. : UN1760
Class-primary : 8 Corrosive
Number/letter: : 66 / (c)
Proper shipping name : 1760 CORROSIVE LIQUID, N.O.S., DIQUAT MIXTURE

Maritime transport IMDG

UN No. : UN1760
Class-primary : 8 Corrosive
UN Pack. Group : III
Proper shipping name : CORROSIVE LIQUID, N.O.S., (contains diquat as dibromide salt 37% w/v)
Marine pollutant : No

Air transport ICAO/IATA

UN/ID No.: : UN1760
Class-primary : 8 Corrosive
UN Pack. Group : III
Proper shipping name : CORROSIVE LIQUID, N.O.S., (contains diquat as dibromide salt 37% w/v)

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15. REGULATORY INFORMATION

Classification	: HARMFUL
Hazard symbols	: Xn
Risk Phrases	: (R22) Harmful if swallowed.
Safety Phrases	: (S2) Keep out of the reach of children. (S13) Keep away from food, drink and animal feeding stuffs. (S20/21) When using, do not eat, drink or smoke. (S36/37) Wear suitable protective clothing and gloves. (S46) If swallowed, seek medical advice immediately and show this container or label.
Special label	: (S053) Do not re-use container, keep tightly closed in a safe place.

16. OTHER INFORMATION

Use: : An agricultural/horticultural/aquatic herbicide and desiccant.
' ' is the property of an AstraZeneca Group company.
Read the label before you buy: use pesticides safely.

This data sheet was prepared in accordance with Directive 91/155/EEC (93/112/EC).

The information on this sheet is not a specification, it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or non-standard uses of the product nor where instructions or recommendations are not followed.

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