

SAFETY DATA SHEET

This safety data sheet does not form part of the label approved under the Control of Pesticides Regulation 1986. Following the instructions on the Product Label for the specified uses should ensure that the product is used safely and efficaciously for those uses.

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

Product name: REDLEGOR
MAFF: 07519
Use / description of product: Herbicide for agriculture use.
Company name: United Phosphorus Limited
Chadwick House
Birchwood Park
Warrington
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: 2,4 DB SODIUM SALT 10-25% [Xn] [N] R20/21/22, R38, R41, R51/53 - EINECS: 233-917-1 CAS: 10433-59-7
(4-CHLORO-2-METHYLPHENOXY) ACETIC ACID SODIUM SALT 1-10% [Xn] R20/21/22, R41
EINECS: 233-917-1 CAS: 3653-48-3
(4-CHLORO-2-METHYLPHENOXY) ACETIC ACID POTASSIUM SALT 1-10% [Xn] R20/21/22, R41
ETHYLENEDIAMINE TETRA ACETIC ACID 1-10% [Xi] R36, R52/53 EINECS: 200-449-4 CAS: 60-00-4

3. HAZARDS IDENTIFICATION

Main hazards: Harmful if swallowed.
Irritating to skin.
Risk of serious damage to eyes.
Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.
Eye contact: There may be irritation and redness.
Inhalation: Nausea and stomach pain may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.
Eye contact: If substance gets into eyes immediately wash out with plenty of water for at least 10 minutes. Protect unharmed eye. Take care not to wash chemical from one eye to another.
Ingestion: Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
Inhalation: Move to fresh air. Move to fresh air. If there is breathing difficulty or cough, keep patient as rest seated in a position of maximum comfort.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide. Dry chemical powder. Water spray.
Exposure hazards: Harmful. In combustion emits toxic fumes.
Protection of fire-fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Avoid contact with skin, eyes, clothing and inhalation of vapours, aerosols or dusts. Wear suitable protective clothing, boots, gloves, eye and face protection. Refer to section 8 of SDS for personal protection details.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Soak up with inert absorbent material, place in a suitable labelled container and dispose.

7. HANDLING AND STORAGE

- Handling requirements:** Smoking is forbidden. When using do not eat or drink
- Storage conditions:** Store in cool, well ventilated area.
- Suitable packaging:** Must only be kept in original packaging. Polyethylene.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** Use all usual precautionary measures for handling chemicals. Except MCPA ACID -K salt others not assigned any exposure limits under EH40 -HSE publication. MCPA -K salt is calculated LT exposure limit of 8 Hr TWA ref as 11 mg/m³ while STEL (15 min) 22 mg/m³
- Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- Hand protection:** Impermeable gloves.
- Eye protection:** Safety glasses with side-shields.
- Skin protection:** Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Yellow-brown
- Odour:** Characteristic, slightly phenolic
- Evaporation rate:** Slow
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Miscible in all proportions
- Viscosity:** No data available
- Vapour pressure:** No Data
- Relative density:** 1.115-1.14
- pH:** 9-11(10% solu)

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Materials to avoid:** Strong oxidising agents. Acids.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion may emit HCL gas

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients: 2,4 DB SODIUM SALT**
ORL RAT LD50 370-700 mg/kg
- (4-CHLORO-2-METHYLPHENOXY) ACETIC ACID SODIUM SALT**
IHL RAT LC50 >6.36 mg/l
ORL RAT LD50 900-1160 mg/kg
SKN RAT LD50 >4000 mg/kg

12. ECOLOGICAL INFORMATION

- Hazardous ingredients: 2,4 DB SODIUM SALT**
FISH RAINBOW TROUT 96H LC50 4 mg/l
(4-CHLORO-2-METHYLPHENOXY) ACETIC ACID SODIUM SALT
DAPHNIA 48H EC50 >100 mg/l
FISH RAINBOW TROUT 96H LC50 232 mg/l
- Mobility:** Fairly mobile but rapidly degraded in soil.
- Persistence and degradability:** Biodegradable.
- Bioaccumulative potential:** Potential for bioaccumulation is low based on properties of components

13. DISPOSAL CONSIDERATIONS

Disposal operations: D10 Incineration on land.
Disposal of packaging: Clean with water. Arrange for collection by specialised disposal company.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID
UN no: N/A **ADR Class:** N/A

IMDG / IMO
UN no: N/A **Class:** N/A

IATA / ICAO
UN no: N/A **Class:** N/A

15. REGULATORY INFORMATION

Hazard symbols: Harmful.



Risk phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R38: Irritating to skin.
R41: Risk of serious damage to eyes.
R52/53: Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment

Safety phrases: S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S46: If swallowed, seek medical advice immediately and show this container or label.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R22: Harmful if swallowed.
R38: Irritating to skin
R41: Risk of serious damage to eyes.
R51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R36: Irritating to eyes.
R52: Harmful to aquatic organisms.
R53: May cause long-term adverse effects in the aquatic environment.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

REDLEGOR[®]

MAFF 07519

Aqueous concentrate formulation containing 244g/litre (21.5% w/w) 2,4-DB as sodium salt, and 44g/litre (3.9% w/w) MCPA, as the potassium salt.



HARMFUL

HARMFUL IF SWALLOWED
IRRITATING TO SKIN
RISK OF SERIOUS DAMAGE TO EYES
HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG -TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

Avoid contact with skin and eyes.

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

Wear suitable protective clothing, gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

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

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED *IS A LEGAL REQUIREMENT

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops/situations: For use in wheat, barley and oats, undersown cereals and rotational grassland (newly sown leys).

Crops	Maximum individual dose:	Maximum number of treatments:	Latest time of application:
Wheat, Barley and Oats	7.0 litres of product per hectare.	1 per crop.	Before 1 st node detectable stage.
Rotational Grassland	7.0 litres of product per hectare.	1 per annum	-

READ ALL OTHER SAFETY PRECAUTIONS & DIRECTIONS FOR USE BEFORE USE

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods.

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-----*(End of label leaflet)*-----