

# RIGBY TAYLOR LTD

## PRODUCT SAFETY DATA SHEET: TIMBREL HERBICIDE

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

**Marketed By:**

**RIGBY TAYLOR LTD  
RIGBY TAYLOR HOUSE  
CROWN LANE  
HORWICH  
BOLTON  
BL6 5HP**

**Tel: 01204 677777****Fax: 01204 677715****Manufactured by:**

**DOW AGROSCIENCES LIMITED  
LATCHMORE COURT  
BRAND STREET  
HITCHIN  
HERTS  
SG5 1NH**

**Emergency Telephone Number:****UK: 0870 600 2999****EIRE: 01 821 4999****Product name:** TIMBREL\* HERBICIDE : MAFF 05815 (PCS 91423)

LV70: 30184

Issue date: Nov 94

Ref: H851V

Revised: March 04 (Section (s) 2-5, 8, 9, 11-13, 15 &amp; 16)

\* TIMBREL Trademark of Dow AgroSciences.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

**Dangerous components (see section 16 for complete R-phrases):**

	<b>Concentration</b>		<b>CAS</b>	<b>EC No</b>
Triclopyr -2 - Butoxyethyl ester	61-62 %	Xn, N; R22-43-R50/53	064700-56-7	265-024-8
Surfactant	< 5%	Xi, R38-41	008008-20-6	232-366-4
Kerosene (petroleum)	20-40 %	Xn; R65, R66, N; R51/53, R10		
Inert ingredients	Balance			

### 3. HAZARDS IDENTIFICATION:

Harmful in contact with skin if swallowed. Irritating to eyes.

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### 4. FIRST AID MEASURES:

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

**Ingestion:** Do not induce vomiting. Call a physician and/or transport to emergency facility immediately. The decision of whether to induce vomiting or not should be made by a physician.

**Eye Contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Skin Contact:** Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Wash contaminated clothing before re-use.

**Inhalation:** Remove to fresh air. Consult a physician.

**Note to Physician:** If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Supportive care. Treatment based on judgement of physician in response to symptoms of patient.

### 5. FIRE FIGHTING MEASURES:

**Extinguishing Media:** Water fog or fine spray. Carbon dioxide. Dry chemical fire extinguishers. Foam.

**Hazardous Combustion Products:** During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products include: Nitrogen oxides. Hydrogen chloride. Phosgene. Dependent on the intensity of the fire.

**Protection of fire fighters:** Wear protective clothing and use self-contained breathing apparatus.

**Additional Information:** Keep containers cool by spraying with water. Contain runoff to prevent entry into water or drainage systems. Avoid breathing smoke. Work upwind of spill.

### 6. ACCIDENTAL RELEASE MEASURES:

**Personal Precautions:** Wear appropriate safety clothing and eye/face protection (see Section 8).

**Environmental Precautions:** Do not wash into sewers or into any body of water. Advise water authority if spillage has entered water course or drainage system.

**Methods of Cleaning Up:** Soak up with sand or other non-combustible absorbent material and place into containers for disposal. For large spills, barricade area and consult manufacturer. If further assistance is required, telephone the emergency contact number.

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### 7. HANDLING & STORAGE:

**Handling:** Use good personal hygiene. Do not consume or store food in the work area. Wash hands and exposed skin before eating, drinking or smoking and after work. Avoid eye and skin contact.

**Storage:** Product should be stored in compliance with local regulations. Store in a cool, dry, well-ventilated place in the original container. Protect from excessive heat and cold. Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilisers. Keep out of reach of children.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

#### Exposure Guidelines:

Triclopyr: Dow AgroSciences IHG is 2mg/m<sup>3</sup> (skin).

**Engineering Controls:** Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

**Respiratory Protection:** For most conditions, no respiratory protection should be needed. However, if respiratory irritation is experienced use an approved air-purifying respirator. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

**Hand/Skin Protection:** For brief contact, no precautions other than clean body-covering clothing and chemical resistant gloves should be needed. Use chemical resistant gloves classified under standard EN 374: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Nitrile. Polyvinyl chloride ("PVC" or "vinyl"). Neoprene. Avoid gloves made of: Natural rubber ("latex").

When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

For emergency conditions: Use protective clothing impervious to this material. Selection of specific items will depend on operation.

**Eye/Face Protection:** Use safety glasses. Where contact with the liquid is likely, chemical goggles are recommended.

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<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>
<b>Appearance:</b> liquid
<b>Colour:</b> amber
<b>Relative Density (water=1):</b> 1.08 /cm <sup>3</sup> (approx).
<b>pH typical range:</b> 5-6
<b>Water Solubility:</b> emulsifiable
<b>Flash Point:</b> 65 deg.C Closed cup
<b>Auto-ignition temp:</b> 238 deg. C
<b>Explosive properties:</b> not explosive
<b>Viscosity:</b> 6.32 cSt (40 deg. C)
<b>Flammability:</b> not flammable
<b>Surface tension:</b> 27 mN/m (25 deg.C)

<b>10. STABILITY AND REACTIVITY:</b>
<b>Chemical Stability:</b> Is stable under normal storage conditions.
<b>Conditions to avoid:</b> Avoid extremes of temperature. Rapid decomposition occurs above 160 deg. C. Product undergoes exothermic decomposition which can lead to high temperatures and violent decomposition if heat developed is not removed.
<b>Materials to avoid:</b> Strong basic, acidic or oxidising materials.
<b>Hazardous Decomposition Products:</b> None under normal conditions of storage and use.

<b>11. TOXICOLOGICAL INFORMATION:</b>
<b>Ingestion:</b> Moderate toxicity if swallowed. The oral LD50 for rats is 1100 mg/kg
<b>Skin Contact:</b> The dermal LD50 for rats is >2000mg/kg. Prolonged skin contact is unlikely to result in absorption of harmful amounts. Short single exposure may cause skin irritation.
<b>Sensitisation:</b> Sensitising to guinea pig skin.
<b>Eye Contact:</b> May cause slight eye irritation.
<b>Inhalation:</b> The LC50 for inhalation in rats is > 5.2mg/L. No adverse effects anticipated by this route of exposure incidental to proper handling.
<b>Additional information:</b> Not carcinogenic. Not mutagenic. Not toxic for reproduction.

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### 12. ECOLOGICAL INFORMATION

Assessment largely or completely based on data for active ingredient.

**Persistence and Degradability:** Assessment largely or completely based on data of active ingredients.

Rapidly hydrolyses in soil and water (with a half-life of less than 1 day) to the parent acid, which undergoes further degradation. Half-life of the parent acid in soil and water is dependent on conditions and is approximately 6-52 days.

**Aquatic toxicity:**

Material is very toxic to fish on an acute basis (LC50 < 1mg/L).

Material is very toxic to aquatic invertebrates on an acute basis (EC50 < 1mg/L).

Material is harmful to algae (10mg/l < IC50 < 100mg/l).

**Avian toxicity:**

Material is practically non-toxic to birds on an acute basis (LD50 > 2000mg/kg).

**Other information:**

Non-toxic to bees.

### 13. DISPOSAL CONSIDERATIONS:

Very toxic to aquatic organisms. Do not contaminate ponds, waterways or ditches with chemical or used container. Wash out thoroughly. Container and washings must be disposed of safely and in accordance with applicable regulations. The preferred options are to send to licensed reclaimer or to permitted incinerators. Do not re-use container for any purpose.

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### 14. TRANSPORT INFORMATION

#### ROAD & RAIL:

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triclopyr)

**Truck/Rail ADR/RID:** 9

**Classification Code:** M6

**Packing Group:** III

**UN number:** 3082

**Label:** < >

**Kemler Code:** 90

**Tremcard Nr. CEFIC:** 90GM6 - III

#### SEA:

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triclopyr)

**Sea – IMO/IMDG Class:** 9

**Packing Group:** III

**UN number:** 3082

**Label:** 9

**EMS:**

**Marine Pollutant:** Y (Y/N)

#### AIR:

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Triclopyr)

**Air – ICAO/IATA Class:** 9

**Sub Class:**

**Packaging Group:** III    Pack Instr. Passenger: 914    Pack Instr. Cargo: 914

**UN number:** 3082

**Label:** 9

**Remarks:** Sample shipment not allowed by mail.

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### 15. REGULATORY INFORMATION

**Hazard Symbol:**

Xn – Harmful.

N – Dangerous for the Environment.

**Risk Phrases:**

Harmful if swallowed. (R22).

Irritating to skin. (R38).

May cause sensitisation by skin contact. (R43).

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R50/53).

Harmful: may cause lung damage if swallowed. (R65).

**Safety Phrases:**

Avoid contact with skin. (S24).

This material and its container must be disposed of in a safe way. (S35).

Wear suitable gloves. (S37).

Use appropriate containment to avoid environmental contamination. (S57).

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label (S62).

Refer to the Product Label for Local regulatory Authority label precautions.

### 16. OTHER INFORMATION:

**Risk -Phrases in section 2:**

R10 – Flammable.

R22 – Harmful if swallowed.

R38 – Irritating to skin.

R41 – Risk of serious damage to eyes.

R43 – May cause sensitisation by skin contact.

R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 – Harmful: may cause lung damage if swallowed.

R66 – Repeated exposure may cause skin dryness or cracking.

The information herein is given in good faith and to the best of our knowledge but no warranty, express or implied, is made.