

RIGBY TAYLOR LTD

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE:

PRODUCT: OUTFIELD FERTILISER RANGE 7.7.7, 9.7.7, 10.15.10, 6.9.6, 3.12.12, 12.6.6

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

Tel: 01204 677777

Fax: 01204 677715

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Product Description: Full granular fertilisers for use on coarse turf containing Mono-Ammonium Phosphate, Single Superphosphate, Ammonium Sulphate, Potash, Amorphous Silica. For use in coarse turf situations only.

3. HAZARDS IDENTIFICATION:

Not classified as hazardous. Unlikely to cause harmful effects with normal handling and use.

4. FIRST AID MEASURES:

Ingestion: Do not induce vomiting. Rinse mouth out, give water to drink. Obtain medical attention if more than small quantities have been swallowed.

Eye Contact: Irrigate eyes with copious amounts of water or eyewash solution for 15 minutes at least. Obtain medical attention if irritation persists.

Skin Contact: Wash affected area with soap and water. If irritation persists seek medical attention.

Inhalation: Remove from source of exposure. Keep warm and at rest. Persons who have inhaled decomposition gases (e.g. in a fire) should obtain medical attention immediately and be kept under observation for at least 48 hours.

5. FIRE FIGHTING MEASURES:

Hazardous combustion products: If strongly heated may evolve irritant fumes. Inhalation of decomposition gases (e.g. in a fire) may cause serious lung effects.

Protection of fire fighters: Wear self-contained breathing apparatus.

Additional Information: When fertiliser is directly involved in a fire: 1/ Avoid breathing fumes wear approved respirator. 2/ Call fire brigade. 3/ Use plenty of water. 4/ Do not allow molten fertiliser to enter watercourse, inform local water authority if watercourses are contaminated.

6. ACCIDENTAL RELEASE MEASURES:

Environmental Precautions: Inform local water authority if accidental contamination occurs.

Clean-up Method: Spillages should be swept up immediately. Place in labelled container for disposal.

PRODUCT SAFETY DATA SHEET: OUTFIELD FERTILISER RANGE

7. HANDLING & STORAGE:

Handling: Read the label before use. When handling do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking. Avoid the generation of excessive dust. Avoid unnecessary exposure to the atmosphere to avoid caking.

Storage: The basic requirements are the avoidance of involvement in a fire or contamination. Locate well away from sources of heat, fire or explosion. Keep away from combustible materials and chemical substances. Ensure a high standard of housekeeping in storage area. Buildings used for the storage of fertilisers should be dry and well ventilated. Stacks should be at least 1 metre from walls, eaves and beams.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure Guidelines:

Occupational Exposure Limit (OEL) generally regarded as a nuisance dust. No specific HSE limit. Recommend a total inhalable dust standard for nuisance dust of 10 mg/cu metre as a time weighted average.

DO NOT weld or apply heat to equipment or plant which may have contained fertiliser without first washing thoroughly to remove all traces of fertiliser. Avoid excessive generation of dust. Use approved dust respirator and goggles if airbourne dust concentration are liable to exceed the recommended limits. Protective clothing is not normally necessary, however in sensitive subjects these products may cause irritation with continuous or prolonged handling. In such cases protective measures should be taken e.g. wear simple dust mask, protective gloves. If eyes are particularly at risk wear goggles. Elementary hygiene precautions should be taken i.e. wash after contact. Use in accordance with manufacturers advice.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: Solid Granules

Colour: Grey/dark brown/black

Odour: Has no real odour

Flash Point: Non flammable, non combustible

Bulk Density: Approx 1,000 kg/cu metre

10. STABILITY AND REACTIVITY:

Stable under normal storage and handling conditions. Store away from sources of heat, fire or explosion. Not combustible but keep away from combustible materials and chemicals. If heated strongly will evolve ammonia and other harmful gases. On contact with strong alkalis such as caustic soda or soda ash may react releasing ammonia gas.

11. TOXICOLOGICAL INFORMATION:

Ingestion: Small quantities are unlikely to be harmful. Large quantities may cause gastrointestinal disorders.

Inhalation: Dust has low toxicity but may form unpleasant deposits in nose and respiratory tract leading to sore throat and coughing. Generally regarded as a nuisance dust.

Skin Contact: Slightly acidic. Prolonged skin contact may cause some irritation.

Eye Contact: Possible eye irritation on contact.

Long Term Effects: No adverse effects known.

Fire and Thermal Decomposition Products: Inhalation of decomposition gases (e.g. in a fire) may cause serious lung effects.

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OUTFIELD FERTILISER RANGE**

12. ECOLOGICAL INFORMATION

Avoid contamination of watercourses. Inform local water authority if accidental contamination occurs.

13. DISPOSAL CONSIDERATIONS:

Depending on degree of contamination dispose of by use on turf or by spreading lightly onto open ground, or alternatively via an authorised waste disposal company. Take care to avoid contamination of watercourses and drains.

14. TRANSPORT INFORMATION:

UN Number: Not classified as hazardous for transport. No UN No allocated.

Packing Group: Not applicable

Hazard Class: Not applicable

15. REGULATORY INFORMATION:

Not classified as hazardous for supply or transport.

16. OTHER INFORMATION:

The data given in this sheet is based on current knowledge and experience, however no liability is accepted for any insufficiency or omission in any case whatsoever. This data sheet does not constitute an assessment of workplace control as required by current law.

Date of Issue: Aug 2002

RIGBY TAYLOR LTD

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE:

PRODUCT: 27 ½ N OUTFIELD

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

**Tel: 01204 677777
Fax: 01204 677715**

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Analysis: N.P.K: 27.5.0.0

Product Description: Full granular fertiliser for use on coarse turf containing a mixture of ammonium nitrate, limestone and coating materials e.g. china clay.

3. HAZARDS IDENTIFICATION:

Not classified as hazardous. Unlikely to cause harmful effects with normal handling and use.

PRODUCT SAFETY DATA SHEET: GRANULAR 27.5 HIGH N

4. FIRST AID MEASURES:

Ingestion: DO NOT induce vomiting. Rinse out mouth. Give water to drink. Keep warm. Obtain medical attention if symptoms persist.

Eye Contact: Irrigate with copious amounts of water or eyewash solution for at least 10 minutes. Obtain medical attention if symptoms persist.

Inhalation: Remove from source of exposure to dust. Keep warm and at rest. Obtain medical attention if symptoms persist.

Fire & Thermal Decomposition Products Inhalation: Remove from source of exposure to fumes. Keep warm and at rest. Persons who have inhaled decomposition gases e.g. in a fire should seek medical attention and be kept under observation for at least 48 hours.

Skin Contact: Wash affected area with soap and water.

5. FIRE FIGHTING MEASURES:

Hazardous combustion products: Decomposes when heated strongly and molten material is formed. On thermal decomposition gives off copious toxic fumes containing oxides of nitrogen and ammonia.

Protection of fire fighters: Fire fighters should wear self-contained breathing apparatus.

Additional Information: Not itself combustible. When fertiliser is not directly involved in a fire: use the best means available to control the fire. When the fertiliser is involved in a fire: 1/ Avoid breathing fumes, whenever possible wear breathing apparatus. 2/ Call fire brigade. 3/ Use plenty of water. 4/ Open all doors and windows to give maximum ventilation. 5/ **DO NOT** use chemical fire extinguishers or foams or attempt to smother the fire with sand. 6/ **DO NOT** allow molten fertiliser to enter drains.

6. ACCIDENTAL RELEASE MEASURES:

Personal Precautions: Wear gloves, approved dust respirator and goggles when handling the product over prolonged periods. Wear gloves when handling the product regularly.

Environmental Precautions: Inform local water authority if accidental contamination of watercourses occurs.

Clean-up Method: Sweep up spillages immediately. Place in labelled container for disposal.

PRODUCT SAFETY DATA SHEET: GRANULAR 27.5 HIGH N

7. HANDLING & STORAGE:

Handling: Read the label before use. When handling do not eat drink or smoke. Wash face and hands before meals and after work. Avoid the generation of dust.

Storage: Basic requirements are the avoidance of involvement in fire and contamination. Locate well away from sources of heat, fire or explosion. Keep away from combustible materials and chemicals. Take particular care to ensure that it is not stored near fuels, grass seed or pesticides. Ensure a high standard of housekeeping in storage areas is maintained. DO NOT permit smoking or the use of naked lights in storage area. Buildings used for storage should be dry and well ventilated. Stacks should be at least 1 metre from walls, eaves and beams. Further storage guidance is given in HSE guidance note: CS18

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure Guidelines: DO NOT weld or apply heat to equipment or plant that may have contained the fertiliser without first washing it thoroughly to remove all traces of the fertiliser. Avoid excessive generation of dust. Use approved dust mask and goggles if airborne concentrations are excessive. Wear respirator, goggles, and gloves when handling the product over a prolonged period of time. The OES for total inhalable dust is 10 mg/m³ as an 8 hour time weighted average.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: Granule

Colour: Light brown/grey

Odour: None

Flash Point: NA

Explosive Behaviour: NA

Bulk Density: approx 1,000 kg/m³

Solubility: Largely soluble in water but will leave insoluble residues.

Hygroscopic: will pick up moisture from air.

PRODUCT SAFETY DATA SHEET: GRANULAR 27.5 HIGH N

10. STABILITY AND REACTIVITY: Stable under normal storage and use conditions. May liberate ammonia gas when in contact with alkalis e.g. caustic soda, soda ash. Not classified as an oxidising agent but may exhibit some oxidising properties. Decomposes when heated strongly and forms molten material. On decomposition will give off copious amounts of toxic gases e.g. nitrous oxide and ammonia. Decomposition is accelerated by a number of substances such as acids, carbonaceous materials, chlorides, chromates, zinc, copper, chlorates and reducing agents. If the product is involved in a fire and the gases released are inhaled they can cause severe delayed effects to the lungs.

Explosive Behaviour: Has a high resistance to detonation but this is reduced by contamination with combustible materials and other impurities. The product should not be heated in a confined space as under these conditions the risk of detonation is also increased.

11. TOXICOLOGICAL INFORMATION:

Ingestion: Small quantities are unlikely to cause toxic effects. Large quantities may give rise to gastro-intestinal disorders and in extreme cases (particularly in children) formation of methaemoglobin ("blue baby syndrome") and cyanosis. (Indicated by blueness around the mouth) may occur.

Inhalation: Low toxicity dust but high concentrations of airbourne dust may cause irritation to the nose and throat e.g. sore throat and coughing. OEL: regarded as a nuisance dust OES for total inhalable dust is 10 mg/m³ as an 8 hour time weighted average.

Skin Contact: Prolonged contact can cause irritation.

Eye Contact: May cause irritation with prolonged contact with eyes.

Fumes & Thermal Decomposition Products:

Skin Contact: Molten material may cause burns.

Inhalation: Inhalation of decomposition gases e.g. in a fire may cause serious delayed lung effects.

12. ECOLOGICAL INFORMATION

Avoid the contamination of watercourses. Inform the appropriate water authority in the event of accidental watercourse contamination.

13. DISPOSAL CONSIDERATIONS:

Depending on degree of contamination, dispose of by spreading lightly on open ground or via a waste disposal contractor. Take care to avoid the contamination of watercourses.

PRODUCT SAFETY DATA SHEET: GRANULAR 27.5 HIGH N

14. TRANSPORT INFORMATION:

UN Number: None allocated

Packing Group: None allocated

Hazard Class: None allocated

Not restricted, non hazardous for transport. Avoid transport with other materials where there is an undue risk of contamination. Ensure transport is clean before loading the product.

15. REGULATORY INFORMATION:

Not classified as hazardous for supply or transport.

16. OTHER INFORMATION:

The data given in this sheet is based on current knowledge and experience, however no liability is accepted for any insufficiency or omission in any case whatsoever. This data sheet does not constitute an assessment of workplace control as required by current law.

Date of Issue: Aug 2002

RIGBY TAYLOR LTD

PRODUCT SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE:

PRODUCT: 20.10.10 SPRING/SUMMER OUTFIELD

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

Tel: 01204 677777

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2. COMPOSITION/INFORMATION ON INGREDIENTS:

Analysis: N.P.K: 20.10.10

Product Description: Full granular fertiliser prepared from raw materials including Ammonium Nitrate, Ammonium Phosphate, Potash, filler and coating materials which include mineral oil, clay or talc.

3. HAZARDS IDENTIFICATION:

Not classified as hazardous. Unlikely to cause harmful effects with normal handling or use.

**PRODUCT SAFETY DATA SHEET: GRANULAR 20.10.10
SPRING/SUMMER OUTFIELD**

4. FIRST AID MEASURES:

Ingestion: Do not induce vomiting. Rinse out mouth and give water to drink. Obtain medical attention if more than small quantities have been swallowed.

Eye Contact: Irrigate with copious amounts of water or eyewash solution for at least 15 minutes. Obtain medical attention if symptoms persist.

Skin Contact: Wash affected area with soap and water.

Fire & Thermal Decomposition Products:

Inhalation: Remove from source of exposure to fumes. Keep warm and at rest. Persons who have inhaled decomposition gases (e.g. in a fire) should seek medical attention and be kept under medical observation for at least 48 hours.

5. FIRE FIGHTING MEASURES:

Not itself combustible. When fertiliser is not directly involved in a fire use the best means available to control the fire. When the fertiliser is involved in a fire: 1/ Avoid breathing fumes. Wherever possible wear an approved breathing mask. 2/ Call fire brigade. 3/ Use plenty of water. 4/ Open all windows and doors to give maximum ventilation. 5/ Do not use chemical fire extinguishers, foams or attempt to smother the fire with sand. 6/ Do not allow molten fertiliser to enter drains. If safe to do so, prevent the contamination of the fertiliser by oil and other combustible materials. Notify local water authority immediately if fertiliser or firewater enters watercourse.

6. ACCIDENTAL RELEASE MEASURES:

Environmental Precautions: Take care not to allow spillage to enter watercourses. If spillage does enter watercourse inform water authority immediately.

Clean-up Method: Clean up spillages promptly. Sweep into labelled container for disposal by reputable disposal contractor. Depending on degree of contamination dispose of on open ground

7. HANDLING & STORAGE:

Handling: Read the label before use. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking. Avoid generation of excessive dust. Avoid unnecessary exposure to the atmosphere to prevent moisture pick up.

Storage: Basic requirements are the avoidance of involvement in fire and contamination. Locate well away from sources of heat, fire or explosion. Keep in original container, in a dry, well ventilated store, separate from pesticides, acids, fuels or other combustible materials e.g. grass seed. Keep out of reach of children, Prevent dampness solidifying product. Ensure a high standard of house-keeping in storage area is maintained. Do not permit smoking or the use of naked lights in storage area. Stacks should be at least 1 metre from walls, eaves or beams.

**PRODUCT SAFETY DATA SHEET: GRANULAR 20.10.10
SPRING/SUMMER OUTFIELD**

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure Guidelines: Do not weld or apply heat to equipment or plant which may have contained the fertiliser without first washing thoroughly to remove all traces of fertiliser. Protective clothing is not normally needed, however in sensitive subjects this product may cause irritation with continual handling, in such cases protective measures should be taken e.g. wear gloves and a simple face mask. Avoid the generation of excessive dust. Use approved respirator and goggles if airborne dust concentrations are liable to exceed the recommended limits. OES for total inhalable dust is 10 mg/m³ as a 8 hour time weighted average. Wear goggles if eyes are particularly at risk. Elementary hygiene standards should be maintained i.e. wash after use.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form: Granules

Colour: Light brown

Odour: No real odour

Flash Point: N/A

Bulk Density: Approx 1,000 kg/m³

Solubility: Largely soluble in water but may leave insoluble residues.

10. STABILITY AND REACTIVITY:

Stable under normal handling and storage conditions. Not itself combustible. Decomposes when heated strongly and molten material may be formed. On decomposition gives off copious toxic fumes containing nitrous oxides and ammonia. Decomposition is accelerated by a number of substances e.g. acids, carbonaceous materials, chlorides, chromates, zinc, copper, chlorates and reducing agents. If the product is involved in a fire this may be accompanied by the release of toxic gases including oxides of nitrogen which may not be apparent at the time of but which can have severe delayed effects on the lungs.

Explosive Behaviour: Has a high resistance to detonation but this may be reduced by contamination with combustible materials and other impurities.

This product should not be heated in confined spaces as under these conditions the risk of detonation is also increased.

**PRODUCT SAFETY DATA SHEET: GRANULAR 20.10.10
SPRING/SUMMER OUTFIELD**

11. TOXICOLOGICAL INFORMATION:

Ingestion: Small quantities are unlikely to cause toxic effects. Large quantities may give rise to gastro-intestinal disorders and in extreme cases (particularly in children) formation of methaemoglobin ('blue baby' syndrome) and cyanosis (indicated by a blueness around the mouth). May occur.

Inhalation: Low toxicity dust but high concentrations of airbourne dust may cause irritation of the nose and upper respiratory tract with symptoms such as sore throat and coughing. OEL: Generally regarded as a nuisance dust. The Occupational Exposure Standard (OES) for total inhalable dust is 10 mg/m³ as an 8 hour time weighted average.

Skin Contact: Prolonged skin contact may cause irritation.

Eye Contact: May cause irritation following prolonged contact with the eyes.

12. ECOLOGICAL INFORMATION

Avoid contamination of watercourses. Inform the appropriate water authority in the event of accidental watercourse contamination.

13. DISPOSAL CONSIDERATIONS:

Depending on the degree of contamination dispose of spillages by spreading lightly on open ground or via a reputable waste disposal contractor. Take care not to contaminate watercourses. Inform water authority in the event of accidental watercourse contamination.

14. TRANSPORT INFORMATION:

UN Number: No UN number allocated

Packing Group: N/A

Hazard Class: N/A

Avoid transport with other materials if there is an undue risk of contamination. Ensure transport is clean before loading product.

15. REGULATORY INFORMATION:

Not applicable. Not considered to hazardous to users.

16. OTHER INFORMATION:

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