



PRODUCT SAFETY DATA SHEET: INTURF ESTABLISH

READ BEFORE USE & KEEP FOR FUTURE REFERENCE

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

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Product Name: INTURF ESTABLISH 12-4-8+0.5%Fe, 8-6-6+0.5% Fe, 6-3-9+0.5%Fe, Organic Based Fertilizers. **Use/Description of Product:** Granular Organic Fertilizer for Sports/Amenity areas

2. HAZARDS IDENTIFICATION:

Human Health Not classified as hazardous in accordance with the Chemicals Hazard Information and Packaging Regulations (CHIP3), EC directive 67/548/EEC or 1999/45/EC but prolonged skin or eye contact may cause irritation. **Ingestion:** Small quantities are unlikely to cause toxic effects. Large quantities may give rise to gastro-intestinal effects.

Inhalation: High concentrations of air-borne dust may cause irritation of nose and upper respiratory tract. Generally regarded as a nuisance dust with no specific Occupational Exposure Limit (OEL) Recommend a total inhalable dust standard for nuisance dust of 10mg/m³ as an 8 hour Time Weighted Average. See HSE Guidance Notes EH40/2005 and HSG 173

Molten Material: Will cause burns and inhalation of decomposition gases (eg. In a fire) may cause serious delayed lung effects

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Contains: Concentration Information Cas No. Ferrous Sulphate 2.78% Xn; R20/21/22 07782-63-0 Also contains a blend of fertiliser ingredients none of those included are at a level classified as hazardous. These ingredients may include some of the following: Ammonium Sulphate, Single Superphosphate, Potassium Chloride, Lignite, Potassium Sulphate, Urea, Organic Matter. Inert Fillers such as sand and coating materials such as oil, china clay.

4. FIRST AID MEASURES :

Ingestion: Do not induce vomiting, rinse mouth, give water to drink. Seek Medical Attention **Eye Contact:** Irrigate eyes with water for at least 15 minutes. Obtain Medical attention if irritation persists. **Skin Contact:** Remove contaminated clothing. Wash affected area with soap and water. Seek medical attention if irritation persists. **Inhalation:** Fine particles regarded as a nuisance dust. Remove from exposure to a well ventilated area. If any symptoms persist seek medical advice immediately- The empty product package should be shown to the Doctor.

5. FIRE FIGHTING MEASURES:

Extinguishing Media: Non-Flammable, non-combustible, In the event of a fire use suitable extinguishing media for the surrounding fire.

Exposure Hazards: May emit toxic fumes under intense heat- decomposition gases may include Ammonia and Oxides of Sulphur.

Protection of fire fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES:

General Precautions: Prevent any spillage entering drains and water-courses. **Protective Equipment:** Use overalls, impervious gloves, rubber boots, face shield or goggles. **Containment:** Clean up any spillage promptly, place in a suitable labelled container and store in a safe place ready for disposal.

7. HANDLING & STORAGE:

Storage conditions: Store in original container in a cool, dry and well ventilated area, away from food, drink, and animal feeds. Keep container tightly closed and away from children. Do not store near strong acids. No smoking in the storage areas. **Handling:** Avoid contact with skin and eyes, avoid excessive dust generation. Do not eat, drink, or smoke when using. Wash thoroughly after handling the product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

UK Occupational Exposure Standards (EH40/2005): None specified for this product. Generally regarded as a nuisance dust with OEL's specified for nuisance dust - OEL (8hr TWA) 10mg/m³ Total inhalable 5mg/m³ (8hr) respirable **Precautions and Engineering Measures:** No specific engineering controls are necessary for this product. It is advisable to avoid dust concentrations and provide ventilation in buildings.

Protective Equipment: Wear suitable gloves when handling. If high dust content present wear suitable dust mask. Wash hands after use and observe good hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Grey granular material with slight musty smell. **Solubility:** Partially soluble in cold water. **Analysis:** NPK fertiliser 12-4-8+0.5 Fe, 8-6-6+0.5%Fe, 6-3-9+0.5%Fe. See full analysis declaration on the original packaging.

10. STABILITY AND REACTIVITY:

Chemical Stability: Stable under normal conditions. **Conditions to avoid:** Extreme Temperatures above 260° C **Materials to avoid:** Strong acids and Alkalis. **Hazardous Decomposition Products:** In combustion may emit toxic fumes of Ammonia, and oxides of sulphur.

11. TOXICOLOGICAL INFORMATION:

Toxicity Data: Toxicity of the Product will depend on Composition Ammonium Sulphate: LD50 (oral, rat) >2000 mg/kg Potassium Chloride LD 50 (oral rat) >2000 mg/kg Urea LD50 (oral rat) >2000mg/kg Ferrous Sulphate LD50 (oral rat) > 1480 mg/kg Skin Irritancy: Prolonged contact may cause irritancy in sensitive subjects.

Eye Irritancy: Can cause irritation to eye due to granular nature of product. **Respiratory Irritancy:** Non-Irritant but avoid breathing large amounts of dust. **Skin Sensitisation:** Non-Sensitiser. **Chronic Effects:** None known.

12. ECOLOGICAL INFORMATION:

Mobility: Fertiliser components are partially soluble in water. Keep away from watercourses. **Persistence and degradability:** Moderately biodegradable. **Bioaccumulative potential:** Potential for bioaccumulation is low based on component properties. **Ecotoxicity:** Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS:

Disposal should be carried out in accordance with local, state and national legislation. Do not contaminate ponds, waterways or ditches with product or used container. Inform the local Environment Agency in the event of accidental watercourse contamination.

14. TRANSPORT INFORMATION

Not classified as Hazardous for Transport - UN number does not apply.

15. REGULATORY INFORMATION

MAPP number- not applicable to this product In accordance with the Chemicals Hazard Information & Packaging for Supply Regulations (CHIP3). this product is not classified however to avoid risk to personnel and the environment the manufacturers instructions for use should be strictly followed. **National Regulations :** The Fertiliser Regulations 1991, SI No. 2197 (as amended in 1995 and 1998) The EC fertilisers (England and Wales) Regulations 2006, SI No. 2486 Risk Phrases R20/21/22 - Harmful by Inhalation, in contact with skin and if swallowed

Safety Phrases:
S2 - Keep out of reach of children
S20/21 - When using do not eat, drink or smoke
S24/25 - Avoid contact with skin and eyes
S49 - Keep in original container
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show container

16. OTHER INFORMATION

The data given in this Safety Data Sheet is correct to the best of our knowledge and experience at the date of this publication, however no liability is accepted for any insufficiency or omission in any case whatsoever. The information given is designed only as guidance for safe handling, use, storage, transportation, disposal and release. Since the conditions of use are beyond the company's control, it is the user to determine the conditions of safe use of this product. Individuals handling this product should be informed under COSSH of the safe handling procedures and have access to the full safety assessment. Rigby Taylor Ltd shall not be liable for any loss or damage resulting from handling, use or from contact with this product.

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