



SAFETY DATA SHEET

Paddock Royale

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : Paddock Royale
Synonyms : 12-11-18+Mg+S+TE
Use of the substance/preparation : Fertilizer.

Company/undertaking identification

Manufacturer / Supplier : Yara UK Limited
 Immingham
 North East Lincolnshire
 DN40 2NS
 UK
 T: +44 (0) 1469 554600
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Emergency telephone number : +44 (0) 1865 407333 National Chemical Emergency Centre (NCEC)

2. Composition/information on ingredients

Substance/preparation : Preparation

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU regulations or National regulations.

May contain some or all of the following:- ammonium sulphate, urea, mono and di ammonium phosphate, single superphosphate, triple superphosphate, phosphate rock, potassium chloride, potassium sulphate, ureaformaldehyde, inert fillers such as sand and coating materials such as oil, amine, clay or talc, secondary nutrients and/or micro nutrients.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

Inhalation : Avoid breathing dust. If inhaled, remove to fresh air.
Ingestion : If large quantities of this material are swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Skin Contact : Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water. Get medical attention if irritation develops.
Eye contact : In case of contact with eyes, rinse immediately with a copious amount of water. Get medical attention if irritation occurs.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media : Use water only in flooding quantities. Do not release runoff from fire to sewers or waterways. Open doors and windows to give maximum ventilation.
Special exposure hazards : Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.
Hazardous thermal decomposition products : Potential Products: Carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ ...), sulphur oxides (SO₂, SO₃, etc.), halogenated compounds and phosphates. Avoid breathing dusts, vapours or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

6. Accidental release measures

- Personal Precautions** : Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
- Environmental precautions and clean-up methods** : Minimize contact of spilled material with soils to prevent runoff to surface waterways.

Use a tool to scoop up solid or absorbed material and place into appropriate labelled waste container. Absorb with dry sand or other noncombustible material. Avoid creating dusty conditions and prevent wind dispersal. Keep out of waterways. See Section 13 for Waste Disposal Information.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Avoid creating dust when handling and avoid all possible sources of ignition (spark or flame). Avoid contamination by any source including metals, dust and organic materials.
- Storage** : Store and use away from heat, sparks, open flame, or any other ignition source. Avoid contact with combustible materials. On farm keep away from hay, grain, diesel, etc.

8. Exposure controls/personal protection

- Occupational exposure limits** : Total inhalable dust - 10 mg/m³
Respirable dust - 4 mg/m³

Exposure controls

- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection** : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eye protection** : Use dust goggles if high dust concentration is generated.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Solid.
- Colour** : White. White to yellowish. Greyish white. Off-white. Beige.
- Odour** : Odourless.

Important health, safety and environmental information

- pH** : 4 to 6 (Conc. (% w/w): 10) [Acidic.]
- Boiling point** : Decomposes.
- Melting/freezing point** : 130°C (266°F)
- Density** : 0.95 to 1.2 g/cm³
- Solubility** : Soluble in cold water.

10. Stability and reactivity

- Stability** : Stable under recommended storage and handling conditions (see section 7). Has a high resistance to detonation.
- Conditions to Avoid** : The resistance to detonation is decreased by a number of factors such as the presence of contaminants and/or high temperature. Heating under strong confinement (e.g. in tubes or drains) may lead to a violent reaction or explosion.
- Materials to avoid** : Contamination by substances such as carbonaceous materials; chromates; zinc, copper and their alloys; chlorates, alkalis and reducing agents decrease the resistance to detonation.

Hazardous Decomposition Products : Potential Products: Carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ ...), sulphur oxides (SO₂, SO₃, etc.), halogenated compounds and phosphates. Avoid breathing dusts, vapours or fumes from burning materials. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

11. Toxicological information

Potential acute health effects

Adverse health effects are considered unlikely, when the product is used according to directions.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Preparation	LD50	>2000 mg/kg	Oral	Rat

Over-exposure signs/symptoms

Target organs : Contains material which causes damage to the following organs: gastrointestinal tract, upper respiratory tract, skin, eye, lens or cornea, stomach.

12. Ecological information

Ecotoxicity data

Ingredient name	Species	Period	Result
Preparation	Fish (LC50)	96 hour(s)	>100 mg/l

Other adverse effects : Used in excess quantities the product can cause eutrophication.

13. Disposal considerations

Methods of disposal : Empty containers or liners may retain some product residues. Do not empty into drains; dispose of this material and its container in a safe way. Spillage can, if not contaminated, be collected and reused for its original purpose, or disposed at an authorised waste facility. Dispose of in accordance with all applicable local and national regulations.

Hazardous waste : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 2001/118/EC.

14. Transport information

Not regulated.

15. Regulatory information

EU Regulations

Risk Phrases : This product is not classified according to the EU regulations.

Product use : Consumer applications. .

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.

16. Other information

History

Date of issue : 2004-07-23.

Date of previous issue : 2004-07-23.

Version : 1

 Indicates information that has changed from previously issued version.

Notice to reader

Date of issue : 2004-07-23.

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.