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SAFETY DATA SHEET

29/11/11

PRODUCT IDENTIFICATION

Trade Name:	John Innes Base
Analysis:	5:7, 2:10
Product Description:	Mixture of Sulphate of Potash, Single Superphosphate, Hoof & Horn Meal.
UN Classification:	Not in hazardous category.
Transport Classification:	Not applicable.

PHYSICAL PROPERTIES

Form:	Powder
Colour:	Grey / Brown
Bulk Density:	Approx. 1,000kg / m ³
Solubility:	Soluble in water hygroscopic – takes up atmospheric moisture.

CHEMICAL & THERMAL PROPERTIES

Chemical Properties:	Stable under normal storage and handling conditions.
Effects of Heat & Fire:	Not in itself combustible. If heated strongly may evolve irritant fumes.
Explosive Behaviour:	Not applicable.



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FIRE FIGHTING

When the fertiliser is not directly involved in the fire use the best means available to control the fire. When the fertiliser is involved: ♦ Avoid breathing the fumes, if possible wear approved breathing apparatus ♦ Call the Fire Brigade ♦ Open doors and windows to give maximum ventilation ♦ Use plenty of water ♦ Do not allow molten fertiliser to run into drains. If water containing fertiliser enters drain or water course inform the water authority as soon as possible.

NOTE ALSO FIRST AID PRECAUTIONS.

HEALTH HAZARDS

General:

PRODUCT

Of low toxicity but the following should be noted.

Skin Contact:

Slightly acidic in reaction and prolonged contact may cause some irritation and erythema.

Eye Contact:

Will cause eye irritation on contact.

Ingestion:

Small quantities are unlikely to be harmful.

Inhalation:

Dust has low toxicity but may form unpleasant deposits in the nose & respiratory tract leading to a sore throat and coughing.

Long Term Effects:

No adverse effects known.

Occupation Exposure Limit:

Generally regarded as nuisance dust.

Fumes and Thermal Decomposition Products

Inhalation:

Inhalation of decomposition gases (e.g. in a fire) may cause serious lung effects.



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FIRST AID

Skin Contact:

Eye Contact:

Ingestion:

Inhalation:

PRODUCT

Wash the affected area with soap and water.

Irrigate eyes with copious amounts of eyewash solution or water for at least 15 minutes.

DO NOT induce vomiting. Rinse mouth.
Drink water.

Remove from source of exposure.
Keep warm and rest.

OBTAIN MEDICAL ADVICE IF ANY OF THE ABOVE SYMPTONS PERSIST

Fire and Thermal Decomposition Products

Inhalation:

Remove from source of exposure to fumes.
Keep warm and rest.

OBTAIN MEDICAL ADVICE IF SYMPTONS PERSIST

PRECAUTIONS FOR STORAGE, HANDLING & USE

DO NOT weld or apply heat to equipment or plant which may have contained fertiliser without first washing thoroughly to remove ALL fertiliser.

Storage:

The basic requirements are the avoidance on involvement in a fire and contamination. Locate away from sources of heat, fire and explosion. Keep away from combustible materials and chemical substances, taking care that it is not stored near hay, straw, grain, diesel oil, sawdust etc. Keep the storage areas clean, tidy and free from spillage.

DO NOT permit smoking or the use of naked lights in the storage area. Buildings used for storage should be dry and well ventilated. Stacks should be kept at least one meter from walls eaves and beams.



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Proctors
Phoenix House
51 Queen Square
Bristol BS1 4LJ

T: 0117 311 1217
F: 0117 311 1218
E: proctors@willetts.co.uk
www.proctorsnpk.com

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Handling:

Avoid excessive generation of dust. Avoid unnecessary exposure to atmospheric moisture to minimise pick up.

Personal Protection:

If airborne dust concentrations approach 10mg per m³ wear approved dust respirators and goggles. If handling product for long periods, wear these anyway together with gloves.

Use:

Use in accordance with manufacturers advice. Do not exceed recommended rates of application.

TRANSPORT

No special precautions.

SPILLAGE

Clean up promptly and dispose of by use on ground or to an authorised waste disposal site. Avoid contamination of water courses and drains. Inform water authority if this happens accidentally.

USER RESPONSIBILITY

This safety data sheet provides health and safety information. The product is to be in applications consistent with company advice. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. Please consult company sales office for any further advice. To the best of the company's knowledge the information contained in this data sheet is correct at the time of publication. The user should contact the company for updated advice and in any event must be satisfied that the product is entirely suitable for its intended use. The company accepts no liability for any loss or damage resulting from reliance on this information.

