

Safety Data Sheet Saxon

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

Product Trade Name	Saxon
Use/Description of Product	Fertiliser
Manufacturer	Plant Impact plc 12 South Preston Office Village Cuerden Way Bamber Bridge, Preston, PR5 6BL Tel: 01772 628328 Fax: 01772 645169

2. COMPOSITION/INFORMATION ON INGREDIENTS

Contains Nitrogen (7% w/w Ureic), 19% Phosphate, Boron 0.1%, Cobalt 0.005%, Copper 0.1%, Iron 0.3%, Manganese 0.3%, Magnesium 0.6%, Molybdenum 0.005%, Zinc 0.3% (from sulphate salts and Sodium Molybdate)

Iron Sulphate 1-5% CAS: 7782-63-0 [Xn] R22

Manganese Sulphate 1-5% EINECS: 232-089-9 CAS: 7785-87-7 [Xn] R48/20/22; [N] R51/53

Orthophosphoric acid 15-30% EINECS: 231-633-2 CAS: 7664-38-2 [C] R34

Zinc Sulphate <1% EINECS: 231-793-3 CAS: 7733-02-0 [Xi] R36/38; [N] R50/53

Copper Sulphate <1% EINECS: 231-847-6 CAS: 7758-98-7 [Xn] R22; [Xi] R36/38; [N] R50/53

Cobalt Sulphate <1% EINECS: 233-334-2 CAS: 10124-43-3 [T] R49; [Xn] R22; [Sens.] R42/43 [N] R50/53

3. HAZARDS IDENTIFICATION

Main Hazards May cause cancer by inhalation. Causes burns. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact	Blistering may occur. Progressive ulceration will occur if treatment is not immediate
Eye contact	Corneal burns may occur. May cause permanent damage
Ingestion	Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose. There may be shortness of breath due to congestion of the lungs
Inhalation	Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath

4. FIRST AID MEASURES (ACTION)

Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning
Eye contact	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination
Ingestion	Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible

5. FIRE-FIGHTING MEASURES

Extinguishing media	Suitable extinguishing media for surrounding fire should be used. Use water spray to cool containers
Exposure hazards	Toxic. Corrosive. In combustion emits toxic fumes
Protection of fire fighters	Wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Notify the Police and Fire brigade immediately. If outside do not approach from down wind. If outside keep bystanders upwind and away from the danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak side up to prevent escape of liquid
Environmental precautions	Do not discharge into drains or rivers. Alert the neighbourhood to the presence of fumes or gas. Contain the spill using bunding
Clean up procedures	Clean up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled container for disposal by an appropriate method

7. HANDLING AND STORAGE

Handling requirements	Ensure there is exhaust ventilation of the area. Avoid the formation or spread of mists in the air
Storage conditions	Store in a cool, well ventilated area. Keep container tightly closed

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	Ensure there is exhaust ventilation in the area
Respiratory protection	Self contained breathing apparatus must be available in case of emergency
Hand protection	Protective gloves
Eye protection	Safety glasses. Ensure eye bath is to hand
Skin protection	Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

State	Liquid
Colour	Brown
Odour	Barely perceptible odour
Evaporation rate	Slow
Oxidising	Non-oxidising (by EC criteria)
Solubility in water	Highly soluble
Viscosity	Non-viscous
Relative density	1.330 +/- 0.010
pH	1 +/- 1

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to avoid	Heat. Hot surfaces. Flames
Materials to avoid	Strong oxidising agents. Bases. Finely powdered metals
Haz. Decomp. products	In combustion emits toxic fumes

11. TOXOLOGICAL INFORMATION

Hazardous Ingredients	MANGANESE SULPHATE IVN RAT LD50 44100 µg/kg ORL MUS LD50 2330 mg/kg ORL RAT LD50 2150 mg/kg ORTHOPHOSPHORIC ACID (100%) ORL RAT LD50 1530 mg/kg ZINC SULPHATE ORL RAT LD50 2150 µg/kg COPPER SULPHATE ORL RAT LD50 750 - 1000 mg/kg SKN RBT LD50 >1000 mg/kg COBALT SULPHATE IVN RAT LD50 18200 µg/kg ORL MUS LD50 584 mg/kg ORL RAT LD50 424 mg/kg
Chronic toxicity	Danger of very serious irreversible effects through inhalation
Routes of exposure	Refer to section 4 of SDS for routes of exposure and corresponding symptoms

12. ECOLOGICAL INFORMATION

Mobility	Readily absorbed into the soil
Persistence and degradability	Biodegradable
Bio accumulative potential	No bioaccumulation potential

Other adverse effects

Negligible ecotoxicity

13. DISPOSAL CONSIDERATIONS

NB: The users attention is drawn to the possible existence of regional or national regulations regarding disposal

14. TRANSPORT INFORMATION

ADR/RID

UN No	1760
Packing group	III
Labelling	8
Classification code	C9
Hazard ID no	80
Shipping Name	CORROSIVE LIQUID, N.O.S. (contains phosphoric acid)

IMDG/IMO

UN No	1760	Class	8
Packing group	III	EmS	F-A,S-B
Marine Pollutant	-	Labelling	8

IATA/ICAO

UN No	1760	Class	8
Packing group	III	Packing instructions	818(P&CA); 820(CAO)
Labelling	8		

15. REGULATORY INFORMATION

Hazard symbols	Toxic R49: May cause cancer by inhalation
Risk phrases	R34: Causes burns R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
Safety phrases	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39: Wear suitable protective clothing, gloves and eye/face protection S38: In case of insufficient ventilation, wear suitable respiratory equipment S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
Precautionary phrases	Restricted to professional users Contains cobalt sulphate. May produce an allergic reaction
Note	The regulatory information given above only indicates the principle regulations specifically applicable to the product described in the safety data sheet. The users' attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2

R36: Irritating to eyes

R22: Harmful if swallowed

R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed

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

R34: Causes burns

R36/38: Irritating to eyes and skin

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

R49: May cause cancer by inhalation

R42/43: May cause sensitisation by skin contact

Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.