

# VITAX SAFETY INFORMATION SHEET

## IDENTIFICATION OF PREPARATION **SULPHUR 95**

Packaging: 15 kg LDPE bag

### AND COMPANY

Vitax Ltd, Owen Street, Coalville LE67 3DE Tel: 01530 510060

### COMPOSITION

Mineral granule containing:

INGREDIENT	% w/w	CLASSIFICATION	CAS NO	EC NO
Sulphur	95%		7704-34-9	231-722-6

### HAZARDS IDENTIFICATION

Unlikely to cause harmful effects under normal conditions of handling or use.

### FIRST AID MEASURES

Accidental over exposure may result in the following symptoms:-

Skin Contact - may cause irritation. Avoid contact with open wounds.

Eye Contact - may cause irritation.

Ingestion - contact may cause nausea, vomiting and/or diarrhoea.

Inhalation - may cause irritation of the nasal membranes and upper respiratory tract.

In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Additional medical guidance is available to doctors from the National Poisons Information Service.

Inhalation - remove individual from exposure area to fresh air immediately. If breathing is difficult, give oxygen. If breathing has stopped, perform artificial resuscitation. Seek medical attention immediately. Prolonged exposure may aggravate existing skin problems or acute asthma and other chronic pulmonary diseases.

Eye Contact - flush eyes immediately with water or saline solution for at least 15 minutes. Seek medical attention immediately.

Skin Contact - wash affected area with mild soap or detergent and water. If burning occurs, cover area with sterile dressing. Seek medical attention.

Ingestion - non toxic through ingestion.

### FIRE FIGHTING MEASURES

The primary hazard is that the dust suspended in air ignites easily and can result in explosion in confined areas. Ignition can be caused by heat sources, friction, static electricity, etc.

Extinguishing media: carbon dioxide, water fog spray, sand or appropriate foam. Use extinguishing media suitable for ambient fire conditions.

Firefighting: if possible, move product from fire area. Extinguish fire using suitable agent for surrounding fire and/or chemical. Avoid breathing fumes and vapours. Prevent run-off and contamination of water sources.

Burning sulphur converts to sulphur dioxide. Fire should be approached and fought from upwind position.

Solid stream of water should never be used because of the possibility of dispersing dust clouds which could cause explosion. Fire will rekindle until mass is cooled below 154°C. To prevent re-ignition surrounding area must be cooled with water fog.

Hazardous combustion products: sulphur dioxide.

**ACCIDENTAL RELEASE MEASURES** Occupational spill: do not touch spilled material. Pick up dry spills by scooping, shovelling or vacuuming and place into approved containers for disposal or re-use. Wear respirator, protective eye wear, protective clothing and gloves. Wash thoroughly after handling.

**HANDLING & STORAGE** Handling: Do not block stack pallets.

Storage: material should be properly stored in dry area to prevent accidental run-off contamination in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area away from herbicides.

**EXPOSURE CONTROLS/  
PERSONAL PROTECTION** Exposure limits: no occupational exposure limits established.

Ventilation: provide local exhaust or process enclosure ventilation.

Eye protection: wear safety glasses/goggles with splash shields to prevent contact with this product. Eye irritant.

Emergency wash facilities: where there is any potential risk of an employee's eyes and/or skin becoming exposed to this product, the employer should provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

Clothing: wear appropriate clothing to prevent prolonged skin contact. Although skin contact is not generally a problem, it increases the risk of ingestion.

Gloves: wear appropriate gloves to prevent contact with this product.

Respirator: wear an appropriate respirator based on the specific contamination levels and specific job assignment. Do not exceed the working limits of the respirator.

<b>PHYSICAL &amp; CHEMICAL PROPERTIES</b>	Appearance	taupe granule
	Odour	no significant odour
	pH	neutral
	Boiling point	444C
	Melting point	130-140°C
	Flash point	207.2°C
	Flammable limit	Lower explosion limit 0.3.3
	(% by volume in air)	High explosion limit 46.0
	Auto ignition temperature	248-266°C
	Vapour pressure	0.105mmHg at 140.2°C
	Vapour density	>1
	Specific gravity	OAL - 1.04 g/cm <sup>3</sup>
	Water solubility	insoluble
	Other data	none

**STABILITY & REACTIVITY** Stability: stable under normal conditions

Conditions to avoid: keep away from all heat sources, sparks, open flames, friction, etc

Incompatibilites: non known

Materials to avoid: oxidising agents, alkalines, copper and copper alloys. Damp material will corrode steel.

Hazardous decomposition products: sulphur dioxide which is toxic is generated upon combustion.

**TOXICOLOGICAL INFORMATION** Sulphur is of a low order of acute toxicity.  
Not known to be a carcinogen.

**ECOLOGICAL INFORMATION**

Sulphur is rated as non-hazardous to aquatic species.

**DISPOSAL CONSIDERATIONS**

Dispose of through a reputable waste disposal contractor. Where applicable product should be recycled for appropriate nutrient values.

**TRANSPORT INFORMATION**

Not classified as dangerous for transport.  
Air (IATA) exempted under special provision.

**REGULATORY INFORMATION**

Xi R36 Irritating to eyes.

**OTHER INFORMATION**

The product label provides information on a specific use of the product: do not use otherwise, unless you have assessed any potential hazard involved and the safety measures required.

**December 2003**