

VITAX SAFETY INFORMATION SHEET

IDENTIFICATION OF PREPARATION

BORDEAUX MIXTURE

Packaging: 175g HDPE container.

AND COMPANY

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

COMPOSITION

Wettable powder containing:-

INGREDIENT	% w/w	CLASSIFICATION	CAS NO	EC NO
Tetracopper tricalcium sulphate	30	Xi R36	8011-63-0	-
China clay	70	Not classified		

HAZARDS IDENTIFICATION

Irritating to eyes.

FIRST AID MEASURES

Accidental over-exposure may result in the following symptoms:-

Eye Contact - dusty/gritty material expected to cause irritation to eyes.

Skin Contact - repeated and/or prolonged contact particularly to abraded skin may cause dermatitis.

Ingestion - low toxicity - may cause irritation of gastro intestinal tract leading to nausea, vomiting, abdominal pain and diarrhoea.

Inhalation - high concentrations of dust may be irritating to trachea and lungs.

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

Eye Contact - irrigate with water thoroughly and seek medical advice.

Skin Contact - wash with soap and water.

Ingestion - rinse out mouth with plenty of water and seek medical advice.

Inhalation - remove to fresh air. If irritation persists seek medical advice.

FIRE FIGHTING MEASURES

Non flammable

Extinguishing media: Extinguish, preferably with foam, CO₂, dry powder, water spray or water fog. Contain contaminated run-off.

Unsuitable extinguishing media:-

Exposure hazards: Under intense heat, product decomposition may release carbon oxides.

Special protective equipment: Wear self-contained breathing apparatus and suitable protective clothing in confined spaces.

ACCIDENTAL RELEASE MEASURES

Personal precautions: Wash hands and exposed skin after handling.

Environmental precautions: report to local water plc immediately if spillage enters drains and the Environment Agency or Scottish Environment Protection Agency if it enters surface or ground waters

Spillages: sweep up spills carefully to minimise dust. Transfer to heavy duty plastic bags or drums and keep safe for disposal. When dealing with spillage do not eat, drink or smoke. Do not breathe dust.

HANDLING & STORAGE

Handling: Do not block stack pallets.

Storage: Store in original containers, tightly closed in a secure, well ventilated, cool but frost-free, dry area away from herbicides.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure standards for copper dusts (as Cu): 1 mg/m³ (8 hr), 2 mg/m³ (15 min). For nuisance dusts, total inhalable 10 mg/m³ (8 hr) respirable 5 mg/m³ (8 hr).

Normal good hygiene standards should be observed. Do not eat, drink or smoke when handling spillage. No specific personal protective equipment assigned. Wear **pvc, natural rubber or nitrile gloves (EN 374-1)**, overalls, goggles (**EN 166**) and dust mask (**EN 149**) where dust cannot be adequately controlled by engineering measures.

PHYSICAL & CHEMICAL PROPERTIES

Appearance	pale blue powder
Odour	none
pH	6.5-8.5
Boiling point	decomposes under intense heat
Melting point	decomposes under intense heat
Flash point	none
Flammability	not flammable
Autoflammability	none
Explosivity	none
Oxidizing properties	none
Vapour pressure	not applicable
Relative density	0.4
Solubility	insoluble in water
Other data	none

STABILITY & REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: avoid high temperatures

Materials to avoid: sulphur, strong acids.

Hazardous decomposition products: Combustion or thermal decomposition will evolve carbon and sulphur oxides

TOXICOLOGICAL INFORMATION

Copper is an essential trace element and is ubiquitous in nature. Based on product components, ingestion of large quantities may cause abdominal pain, nausea, vomiting and diarrhoea.

Acute oral LD50 rat > 2000 mg/kg (by calculation).

Acute dermal LD50 rat > 2000 mg/kg (by calculation).

Not a primary irritant to skin. Possible eye irritant. Not a skin sensitiser

To the best of our knowledge physical, chemical and toxicological properties have not been fully investigated.

ECOLOGICAL INFORMATION

Bordeaux Mixture forms a water insoluble film on leaf surfaces. **Copper ions are rapidly immobilised by soil organic matter depending on ambient pH of soil and water.**
Copper released from Bordeaux is toxic to fish. Not toxic to bees or avian organisms.

DISPOSAL CONSIDERATIONS

Dispose of waste through a reputable waste disposal contractor in accordance with the Environmental Protection Act 1990.

TRANSPORT INFORMATION

Dangerous Goods in Limited Quantities

UN No 3077

IMDG Class 9 Miscellaneous Dangerous Substances

Packing Group III

Shipping Name: Environmentally hazardous substance, solid copper product, NOS

Channel Tunnel Regulations: not restricted

REGULATORY INFORMATION

R36 Irritating to eyes.

S2 Keep out of reach of children

S46 If swallowed, seek medical advice immediately and show this container or label

Occupational Exposure Standard for nuisance dusts in air 10 mg/m³ (8 hr) total inhalable, 5 mg/m³ (8 hr) respirable. For copper dusts (as Cu): 1 mg/m³ (8 hr), 2 mg/m³ (15 min).

OTHER INFORMATION

The product label provides information on a specific pesticidal use of the product: do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required, and that the particular use is permitted under the Control of Pesticides Regulations.

Prepared by VITAX LTD, for Health and Safety purposes from the best knowledge available at the time of printing.

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