

VITAX SAFETY INFORMATION SHEET

IDENTIFICATION OF PREPARATION **INSIGNIA**[®]

Packaging: Cardboard display outer containing 250g HDPE pack

AND COMPANY

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

COMPOSITION

Water dispersible granule containing 200 g/kg pyraclostrobin:

INGREDIENT	% w/w	CLASSIFICATION	CAS NO	EC NO
pyraclostrobin	20%	Xi, N, R20-38-50/53	175013-18-0	

HAZARDS IDENTIFICATION

Harmful. Dangerous for the environment Harmful by inhalation. Very toxic to aquatic organisms.

FIRST AID MEASURES

Guide to Physicians - general advice

Active ingredient group - pyraclostrobin is a strobilurin fungicide

Toxic effects - this material is of moderate general toxicity

Symptoms of accidental over exposure - there is no documentation of pathological effects in humans.

Any unusual symptoms which occur after exposure (by any mode of entry) should be recorded and reported to Vitax Ltd.

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.

General Advice - Remove contaminated clothing.

Skin Contact - immediately remove contaminated clothing and footwear and flush skin with plenty of water. Wash affected area thoroughly with soap and water as soon as possible.

Eye Contact - immediately irrigate affected eyes for at least 15 minutes under flowing water with eyelids open.

Inhalation - rinse mouth immediately and then drink plenty of water. Seek medical attention.

Ingestion - immediately rinse mouth and then drink plenty of water. Seek medical attention immediately.

Unconsciousness - if danger of loss of consciousness, place person in the recovery position. Apply artificial ventilation if necessary, but care must be taken to avoid contamination of the first aider.

FIRE FIGHTING MEASURES

Suitable extinguishing media: Extinguish with water spray, foam or carbon dioxide. Keep fire exposed containers cool by spraying with water. Contain contaminated run-off.

Possible harmful fumes in a fire: Carbon monoxide, nitrogen oxides and sulphur oxides can be released. Avoid breathing smoke and fumes.

Protective equipment: In case of fire wear self contained breathing apparatus and protective clothing. Fire/explosion fumes should not be inhaled.

Further information: Call the fire brigade at once to deal with all fires involving pesticides unless the fire is small and immediately controllable. Spray unopened containers with a mist spray to keep cool. If without risk, remove intact containers from exposure to fire. Contain fire-fighting water, bunding if necessary with sand or earth. Do not allow contamination of public drains or surface or ground waters. Dispose of fire debris and contaminated water as advised in the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas.

ACCIDENTAL RELEASE MEASURES

Wear prescribed protective clothing. Clear spillage immediately. Contain spillage and absorb onto earth, sand or suitable absorbent material. Collect contaminated material and place in a marked container for disposal. Thoroughly wash area of spillage. Dispose of contaminated materials as advised in the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas.

Wash thoroughly immediately after handling spillages, or at once if contaminated.

Personal protective equipment: See Exposure Controls and Personal Protection.

Environmental precautions: Do not allow contamination of public drains or surface or ground waters. Prevent product from entering water courses or the ground. Inform local water plc if spillage enters drains and the Environment Agency (England & Wales), the Scottish Environmental Protection Agency (Scotland), or the Environment and Heritage Service (Northern Ireland) if it enters surface or ground waters. Keep people and animals away.

HANDLING & STORAGE

Handling: No special measures are necessary provided the product is used correctly. When using do not eat, drink or smoke.

Protection against fire and explosion: Prevent electrostatic charge. Keep away from sources of ignition. Keep at temperatures between 40 and -10°C . Vapours may form explosive mixtures with air.

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

(i) PRECAUTIONS (from product label)

Precautions marked* are a legal requirement

Operator protection

*Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

*WEAR SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT when handling the concentrate.

*WEAR SUITABLE PROTECTIVE GLOVES **when handling contaminated surfaces and when applying by hand held equipment.**

*However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

Environmental protection

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP's requirements.

Do not contaminate water with the product or its container. Do not clean equipment near surface water. Avoid contamination via drains from farmyards and roads.

* DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing water body, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application.

DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body. Aim spray away from water.

* This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with PSD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container. Use appropriate containment to avoid environmental contamination.

Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing

device

or manually rinsing three times. Add washings to sprayer at time of filling and

dispose

of safely. This material and its container must be disposed of in a safe way. Store in a suitable pesticide store, keep dry and protect from frost.

(ii) PERSONAL PROTECTIVE EQUIPMENT

Hand Protection: In tests with a range of pesticide products, protective gloves made of nitrile rubber at least 0.5mm thick and 300mm long have been found to be the most

suitable. Gloves made of viton, butyl rubber, neoprene and PVC can also offer good protection. Gloves must protect the whole hand and wrist and repeated use of these gloves depends upon spillages being washed off immediately. The gloves should be thoroughly washed after each operation.

General safety & hygiene measure: The usual precautions for the handling of chemicals must be observed. Keep away from foodstuffs, animal feedstuffs and beverages.

The wearing of other personal protective equipment may be required to supplement the items listed above. These are described in the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas. Decontaminate all personal protective equipment after use. When this is not possible dispose of as contaminated wastes.

(iii) OCCUPATIONAL EXPOSURE LIMITS (OESs) Not applicable

PHYSICAL & CHEMICAL PROPERTIES

Appearance	grey brown low dusting granule
Odour	Not known
pH	6.1
Boiling point	Not known
Melting point	Not known
Flash point	Not known
Flammability	Not known
Autoflammability	Not known
Explosivity	Not known
Oxidizing properties	Not known
Vapour pressure	Not known
Relative density	1.676 (20°C)
Bulk density	615-702 kg/m ³
Solubility	dispersible
Other data	none

STABILITY & REACTIVITY

Hazardous reactions: no decomposition if stored and applied as directed.

Substances to avoid: unknown

Hazardous decomposition products: none if stored and handled correctly.

TOXICOLOGICAL INFORMATION

Acute oral: LD50 (rat) > 2000 mg/kg

Acute dermal LD50 (rat) > 2000 mg/kg

Inhalation LC50 (rat) 4h 4.7 mg/l

Eye and skin contact: not irritant

Ingestion: low toxicity

Inhalation: unlikely to cause a problem

Sensitisation: no sensitising effect

ECOLOGICAL INFORMATION

Very harmful to fish or aquatic life.

Ecotoxic Effects:

Common carp (*Cyprinus carpio*) LC50 96h: 0.25 mg/l

Algae EC/LC50 (0-72 h): 17.39 mg/l

Daphnia EC/LC50 (48h): 0.0382 mg/l

DISPOSAL CONSIDERATIONS

Leaking containers: damaged or leaking containers must be dealt with as soon as noticed by sealing them in impermeable containers.

Disposal of used containers: follow the directions given in the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas Used, cleaned with generally be accepted at licensed disposal sites.

Disposal of diluted pesticide: Advice for the disposal or re-use of diluted pesticide is given in the Code of Practice for the Use of Approved Pesticides in Amenity and Industrial Areas.

TRANSPORT INFORMATION

UN Number: 3077

Packing Group: III

Road/Rail ADR/RID Class: 9

Sea IMDG Class: 9 Environmentally hazardous substance, solid, NOS (contains pyraclostrobin **20%**) - Marine Pollutant

Air ICAO/IATA Class: 9 Environmentally hazardous substance, solid, NOS (contains pyraclostrobin 20%) - Marine Pollutant

REGULATORY INFORMATION

This product is approved under the "Plant Protection Products Regulations 1995" and is labelled accordingly:

Safety phrasing outlined below has been assigned in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations.

R20 Harmful in contact with skin.

R38 Irritating to skin.

R50 Very toxic to aquatic organisms.

R51 Toxic to aquatic organisms.

R52 Harmful to aquatic organisms.

R53 May cause long term adverse effects on the aquatic environment.

The Control of Substances Hazardous to Health Regulations (COSHH) may apply to the use of this product at work. This product is subject to The Carriage of Dangerous Goods by Road Regulations, Carriage of Dangerous Goods by Rail Regulations and Carriage of Dangerous Goods (Classification, Packaging and Labelling) and Use of Transportable Pressure Receptacles Regulations and amendments (UK)

This product is subject to The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004 and their amendments.

OTHER INFORMATION

For further medical advice Doctors should contact the National Poisons Information Service. In an emergency further information can be obtained from the National Chemical Emergency Centre.

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

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