

VITAX SAFETY INFORMATION SHEET

IDENTIFICATION OF PREPARATION SYFORD

Packaging: 10 litre HDPE containers.

AND COMPANY

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

COMPOSITION

Soluble concentrate containing:

INGREDIENT	% w/w	CLASSIFICATION	CAS NO	EC NO
2,4-D (as dimethylamine salt)	43.6	Xn R22, 37/41, 43, N R52/53	002008-39-1	217-915-8

HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed. **Risk of serious damage to eyes**
May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

FIRST AID MEASURES

Accidental over exposure may result in the following symptoms:-

Eye Contact - **Risk of serious damage to eyes**

Skin Contact - possible irritation. **May cause sensitisation by skin contact.**

Ingestion - may cause burning of oral mucosa, hypersalivation, stomach cramps, nausea and diarrhoea.

Inhalation - high levels of spray mist may result in irritation to respiratory tract.

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

Eye Contact - irrigate with water thoroughly. If irritation persists, seek medical aid.

Skin Contact - wash with soap and water. Remove and wash contaminated clothing.

Ingestion - wash out mouth with water and seek medical aid. Do not induce vomiting.

Inhalation - remove to fresh air. Seek medical aid if symptoms persist.

FIRE FIGHTING MEASURES

Not flammable.

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

Exposure hazards: In intense heat, product decomposition will release hazardous fumes.

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

ACCIDENTAL RELEASE MEASURES

Personal precautions When dealing with spillage wear protective gloves, boots and overalls. Do not breathe vapour. Do not eat, drink or smoke.

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: Soak up with absorbent material such as sand and transfer to suitable

marked

container, and keep safe before disposal. Wash hands and exposed skin after handling.

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 insecticides, fungicides and fertilisers. Make arrangements for containment of accidental spillage.

EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure standards (EH40) for 2,4-D in air: 10 mg/m³ (8 hr)
20 mg/m³ (15 min).

Personal protective equipment recommended where engineering control of operator exposure is impractical: faceshield, **pvc, natural rubber or nitrile gloves (EN420 & 374), overalls.**

PHYSICAL & CHEMICAL PROPERTIES

Appearance	clear brown liquid
Odour	slight amine aroma
pH	7.5-8.5
Boiling point	> 100 deg C
Melting point	not applicable
Flash point	none
Flammability	not flammable
Autoflammability	not flammable
Explosivity	not available
Oxidizing properties	not available
Relative density	1.17 at 20 deg C
Solubility	readily soluble in water
Other data	none

STABILITY & REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: avoid high temperatures

Hazardous decomposition products: Product decomposition under intense heat may release toxic fumes.

TOXICOLOGICAL INFORMATION

Data based on similar materials

LD50 acute oral rat 860 mg/kg (by calculation)

LD50 acute dermal rat 3440 mg/kg (by calculation)

2,4-D has been found to cause severe eye irritation in rabbits.

Further information: no teratogenic, mutagenic or carcinaogenic

ECOLOGICAL INFORMATION

Harmful to fish or aquatic life. Dangerous to aquatic higher plants. Do not contaminate surface waters or ditches with chemical or used container.

Ecotoxicity

2,4-D has moderate to high toxicity to aquatic organisms

LC50/96hr/carp=560-1000 mg/l

Mobility

Fairly mobile but rapidly degraded in aerobic soils

Persistence of degradability

Rapidly degraded on aerobic soils (½ life of 2,4-D under aerobic conditions approx 7-10 days)

Bioaccumulation

Potential for bioaccumulation is low based on Log Pow

DISPOSAL CONSIDERATIONS

Dispose of through a reputable waste disposal contractor.

TRANSPORT INFORMATION

ADR: Not classified as dangerous

REGULATORY INFORMATION

Regulations.

Approved under and labelled in accordance with the Control of Pesticides

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

Labelling: Harmful

R22 Harmful if swallowed.

R41 Risk of serious damage to eyes

R43 May cause sensitisation by skin contact

R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

S2 Keep out of reach of children.

S13 Keep away from food drink and animal feedingstuffs.

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S35 This material and its container must be disposed of in a safe way

S57 Use appropriate containment to avoid environmental contamination

S20/21 When using do not eat, drink or smoke.

S36/37/39 Wear suitable protective clothing, gloves and face protection.

Occupational exposure standards in air for 2,4-D 10 mg/m³ (8 hr) 20 mg/m³ (15 mins). The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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 has 'off-label' approval or is otherwise permitted under the Control of Pesticides Regulations.

The information contained in this sheet is based on the best available information, including data from test results.

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replaces February 2004**