

CLAYTON

PLANT PROTECTION

CLAYTON PONTOON

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE

Clayton Pontoon MAPP 13219
For use only as an agricultural/horticultural/forestry insecticide.

Marketing company

Clayton Plant Protection (UK) Ltd.,
Unit F10, Bracetown Business Park, Clonee, Co. Meath, Ireland.
Tel: (00 353) 1 8210127 Fax: (00 353) 818 411084

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chlorpyrifos	44.5 % w/w	CA 2921-88-2	T, N	R 25, 50/53
Aromatic hydrocarbon solvent	40-50 % w/w	CA 6472-95-6	Xn, N	R 10, 37, 51/53, 65, 66, 67
Aromatic hydrocarbon solvent	1-5 % w/w	CA 6472-94-5	Xn, N	R 51/53, 65, 66, 67
Calcium dodecylbenzenesulfonate	1-5 % w/w	CA26264-06-2	Xi	R 38, 41

3. HAZARDS IDENTIFICATION

Chlorpyrifos is an anticholinesterase organophosphate. Handle with care

Human	Ingestion:	harmful; may cause lung damage
	Skin:	irritant
	Eyes:	irritant
	Inhalation:	harmful; irritant
Environmental:		very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Physical		flammable

4. FIRST AID

Always use personal protective equipment if you are likely to be contaminated by contact with the patient.

Symptoms of poisoning

These may include excessive sweating, headache, weakness, faintness and giddiness, nausea, stomach pains, vomiting, small pupils, blurred vision, muscle twitching. If any of these symptoms occur, particularly if there is any known contamination: STOP WORK.

Skin: remove contaminated clothing; rinse exposed skin and hair immediately with water, then with soap and water. If the patient feels unwell, seek medical advice.

Eyes: flush immediately with plenty of water for 15 minutes. Seek medical attention.

Inhalation: remove patient to fresh air. Seek medical attention.

Ingestion: do not induce vomiting, rinse mouth with water; keep patient at rest; seek medical attention immediately and show the container label or this datasheet.

GUIDE TO DOCTOR

This product contains an anticholinesterase organophosphorus compound.

Specific Treatment

1. IN ALL CASES AND AS EARLY AS POSSIBLE inject atropine sulphate 2 mg or *pro rata* for children and repeat if necessary until fully atropinised.
2. IF AVAILABLE administer pralidoxime 1 gram by intra-muscular injection. Repeat after 3-4 hours.

Other measures

1. Keep airway clear.
2. Watch respiration - intubation with endotracheal tube or tracheotomy may be necessary in conjunction with artificial ventilation.
3. Put patient at complete rest in hospital for at least 24 hours.

Confirmation of Diagnosis

By estimating cholinesterase activity (5 ml blood, unhaemolysed, collected in an anticoagulant).

Further advice from the National Poisons Information Centre.

5. FIRE FIGHTING

Wear full protective clothing, goggles and respirator. Call fire brigade for all but small, immediately controllable fires. Product is flammable and toxic fumes may be evolved. Containers may explode on heating due to rise in internal pressure. Avoid breathing smoke. Keep containers cool by spraying with water. Remove intact containers if without risk. Extinguish source of fire, preferably with dry inert powder, foam, carbon dioxide or water fog. Do not use a water jet. Contain fire-fighting water, bunding as necessary with sand or earth.

6. ACCIDENTAL RELEASE

Wear coverall, face protection, rubber boots and suitable protective gloves. Keep people and animals away. Remove all means of ignition. Contain spillage, particularly to prevent contamination of water. Inform local water plc immediately if spillage enters drains. Inform the Environment Agency or Scottish Environment Protection Agency if spillage enters surface or ground waters. Absorb into sand, sawdust or other inert material. Collect all contaminated material and place in covered, labelled polyethylene containers for disposal. Do not flush with water.

7. HANDLING AND STORAGE

Keep in original container, tightly closed, in a safe place. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children. Store in a cool, dry place out of direct sunlight. Protect from extremes of temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chlorpyrifos is an anticholinesterase organophosphorus compound. DO NOT USE if under medical advice NOT to work with such compounds.

Wear suitable protective gloves when handling the concentrate and freshly treated material.

Wash concentrate from skin or eyes immediately.

When using do not eat, drink or smoke.

Do not breathe spray.

Wash hands and exposed skin before eating and drinking and after work.

Occupational exposure standards for chlorpyrifos:

long-term exposure limit (8-hour TWA ref. period) = 0.2 mg m^{-3}

short-term exposure limit (15-minute ref. period) = 0.6 mg m^{-3}

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear, pale yellow-amber liquid

Flash point 53.5°C (PMCC)

Oxidising properties: none

Density: 1.07 g cm^{-3} at 20°C

pH (1 % in water): 7.0

Water solubility: product emulsifies in water in all proportions

10. STABILITY AND REACTIVITY

Stable in packaging and in air at ordinary temperatures. Keep in original packaging.

11. TOXICOLOGY

Acute oral LD₅₀ for rat: 300-500 mg/kg.

Acute dermal LD₅₀ for rat: >2000 mg/kg.

Inhalation LC₅₀ (4-6 hour) for rat: >0.2 mg a.i. per litre air.

Eye irritation: irritant

Skin irritation: irritant

Non-sensitiser to guinea pig skin.

12. ECOLOGICAL INFORMATION

Degraded in soil - DT₅₀ circa 2-34 days.

LC₅₀ (96-hour) rainbow trout = < 1 mg per litre.

Daphnia LC₅₀ (48-hour): < 1 mg per litre.

Algae EC₅₀ (72-hour): > 1 mg/l - <10 mg/l

Bees: Oral LD₅₀ = 250 ng chlorpyrifos/bee, contact LD₅₀ = 59 ng chlorpyrifos/bee (toxic)

13. DISPOSAL

Product: dispose of via an authorised disposal contractor.

Containers: dispose of via an authorised disposal contractor. Consult also 'Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings' (DEFRA/HSE).

14. ROAD AND RAIL TRANSPORT

ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE (contains chlorpyrifos and aromatic hydrocarbon). UN 3017; Class 6.1; Packing Group III
Packaging: 1-5 litres in polyethylene terephthalate containers.

15. REGULATORY INFORMATION



Xn HARMFUL



N DANGEROUS FOR
THE ENVIRONMENT

contains 480 g/l chlorpyrifos and aromatic hydrocarbon

R10 Flammable

R20/22 Harmful by inhalation and if swallowed

R36/37/38 Irritating to eyes, respiratory system and skin

R65 Harmful: may cause lung damage if swallowed

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

S2 Keep out of the reach of children.

S13 Keep away from food, drink and animal feedingstuffs.

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.

S36/37 Wear suitable protective clothing and gloves.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

The Control of Substances Hazardous to Health (COSHH) Regulations may apply to the use of the product at work.

This product is approved under the Control of Pesticides Regulations 1986.

16. OTHER INFORMATION

Issued: January 2007