



DAVID GRAY & CO PTY LIMITED

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Date of Issue: August 2014

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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME: DAVID GRAYS GRAYBATE 50SG
MOSQUITO LARVICIDE GRANULES

OTHER NAME: Not Applicable
MANUFACTURERS CODE: 20kg (62972)
PROPER SHIPPING NAME (ADG Code): None allocated
UN NUMBER: None allocated
DANGEROUS GOODS CLASS: None allocated
SUBSIDIARY-RISK: None allocated
PACKING GROUP: None allocated
HAZCHEM CODE: None allocated
POISONS SCHEDULE: S6 Poison
USE: Granular larvicide

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE: Pale brown coloured granules
MELTING POINT: Not applicable
BOILING POINT: Not Applicable
VAPOUR PRESSURE: Not applicable
DENSITY: D_{pour} = 1.080, D_{tap} = 1.042
FLASH POINT: Not applicable
FLAMMABILITY LIMITS: Not applicable
SOLUBILITY IN WATER: Negligible
CORROSIVENESS: Not applicable
OTHER PROPERTIES: Not applicable

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Temephos	003383-96-8	5% w/w
Ingredients determined to be non hazardous	-	To 100% w/w

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (Hazardous in accordance with criteria of Worksafe Australia):

RISK PHRASES: R36 – Irritating to eyes
R50/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES: S2 – Keep out of the reach of children
D13- Keep away from food, drink and animal feeding stuffs
S20/21- When using do not eat, drink or smoke
S25- Avoid contact with eyes
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S29- Do not empty into drains
S35- This material and its container must be disposed of in a safe way
S57- Use appropriate container to avoid environmental contamination.

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions.

ACUTE

SWALLOWED:

Toxic, depending on dose.

EYE:

Non toxic in practice.

SKIN:

Mildly irritating

INHALED:

Inhalation of material may cause respiratory tract irritation and prolonged exposure may affect pulmonary function.

CHRONIC:

Chronic feeding studies on animals do not indicate any cumulative toxicity and show that the compound is neither a carcinogen nor a teratogen.

FIRST AID

GENERAL:

In every case of suspected poisoning contact a doctor or a Poisons Information Centre immediately.

SWALLOWED:

Seek medical attention

EYE:

If in eyes, hold eyelids open and flush with water

SKIN:

If poisoned by skin absorption, remove any contaminated clothing, wash skin thoroughly and give atropine tablets as above. Get to a doctor or hospital quickly.

INHALED:

If poisoned through lungs, remove from contaminated area. Give atropine tablets as above. Apply artificial respiration, if not breathing. Get to a doctor or hospital quickly.

FIRST AID FACILITIES:

Soap and water

ADVICE TO DOCTOR:

This product may inhibit activity of cholinesterase. Atropine is antidotal. Pralidoxime chloride (2-PAM;PROTPAM chloride) may be effective as an adjunct to atropine.

TOXICITY:

Acute Toxicity LD50 (mg/kg)

Rat Oral >5000

Rabbit dermal >2000

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

Not available

ENGINEERING CONTROLS: Wear protective clothing, rubber gloves, and goggles to prevent exposure to skin and eyes. Wear an approved toxic-dust respirator when such exposure could occur.

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTION: PVC gloves & wear suitable respirator when spraying

FLAMMABILITY: Not Flammable

SAFE HANDLING INFORMATION

STORAGE

Store in a safe place, out of the reach of children and out of direct sunlight.

TRANSPORT

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SPILLAGE

Soak up spill with sand or other absorbent material. Sweep up and dispose of in garbage.

DISPOSAL

Clear area of all unprotected personnel. Wear protective equipment as above and shovel spill into metal drums. Seal drums and bury in an area approved by the local waste disposal authority.

For end-users: If recycling, triple or preferably pressure rinse containers before disposal. Do NOT dispose of undiluted chemicals on-site. Bury the rinsate below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Replace cap and return clean containers to recycler or designated collection point.

If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

FIRE/EXPLOSION HAZARD

Thermal decomposition may produce oxides of carbon, phosphorous and sulphur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Not known to produce hazardous decomposition products

FIRE FIGHTING EQUIPMENT:

Extinguish using an agent suitable for the surrounding fire. (Material itself does not burn or burns with difficulty).

Fire Control Tactics:

Evacuate people who may come in contact with smoke or fumes or contaminated surfaces. Alert medical personnel to be ready to treat exposed individuals.

Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.

Decontaminate emergency personnel when leaving fire area.

Isolate area until gases, vapours or fume have dispersed.

Pesticide is attached to sand granules, which will not burn, but toxic fumes may be released.

Control run-off water. If water enters drainage system, advise the authorities downstream.

OTHER INFORMATION

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Do NOT apply to areas of water where birds are actively foraging, particularly where birds may obtain large quantities of larvae affected by ABATE or where rapidly dropping water levels or shallow depth allows birds easy access to larvae.

Do NOT apply granules to dry areas where birds can eat them.

Do NOT apply to areas where treated water may affect crustaceans or molluscs

Where possible, consider reducing application rates where water on breeding sites is of a general depth less than 30 cm.

CONTACT POINT

TITLE: Technical Department

TELEPHONE NUMBER: (08) 9337 4933

AUTHORISED: **Technical Department Manager**

DATE: **05/08/2014**

NOTICE:

This Material Safety Data Sheet has been developed according to the Worksafe Australia/NOHSC Codes of Practice.

The information contained herein is given in good faith however and is considered to be accurate at the specified issue date. No warranty expressed or implied is made to the accuracy or completeness of the data and information contained herein.

No person, other than an authorised representative of David Gray & Company Pty Ltd, has the authority to make any alterations to this MSDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours.