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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME: David Grays White Oil

OTHER NAME: Spraying Oil, Petroleum Oil, Mineral Oil

MANUFACTURERS CODE: 11045 (200mL), 11151 (500mL)

USE: To control scale insects on fruit trees, shrubs and vines.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): X_n - Harmful
Classified as hazardous according to the criteria of NOHSC.

RISK PHRASES: R65 – Harmful: may cause lung damage if swallowed.

SAFETY PHRASES: S62 – If swallowed, do not induce vomiting. Contact a doctor or Poisons Information Centre immediately and show the container or label.

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Light paraffinic petroleum oil	64741-89	839g/L
Alkyl Aryl Polyoxyethoxy Ethanol surfactant	-	<10%

FIRST AID MEASURES

GENERAL:

In every case of suspected poisoning, contact a doctor or a Poisons Information Centre immediately. (131126)

SWALLOWED:

Seek medical attention immediately. Do not induce vomiting.

NOTE: Do not give fluids, tablets or induce vomiting if patient is unconscious or convulsing.

EYE:

Hold eyelids open and flush eyes with water for at least fifteen minutes. Seek medical attention.

SKIN:

Immediately remove contaminated clothing and wash skin thoroughly with soap and water for at least fifteen minutes. If symptoms of poisoning occur, seek medical attention immediately.

INHALED:

Immediately remove patient to fresh air. Seek medical attention if effects persist.

FIRST AID FACILITIES:

Soap and Water

ADVICE TO DOCTOR:

Treat symptomatically. Pulmonary aspiration is the main hazard if the hydrocarbon liquid is swallowed and vomiting occurs.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, carbon dioxide or dry chemical.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon (carbon monoxide) and asphyxiants.

FIRE FIGHTING PERSONAL PROTECTIVE EQUIPMENT: Wear positive pressure self-contained breathing apparatus and personal protective equipment used for combustible liquid fires such as solvent resistant gloves, goggles, chemical resistant boots, and overalls.

HAZCHEM CODE: Not applicable

ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE: Spill or leak area should be isolated immediately. Advise emergency services if required (FESA). Keep all unauthorised persons away from the area. Contain spill if safe to do so. (See below)

CONTAINMENT AND CLEAN UP: Contain spill by using absorbent material ie (sand, earth or attapulgate). Cover ant open drains with plastic, rubber etc. (See section handling and storage for PPE requirements). Do not allow entry into waterways. Collect (shovel or sweep) absorbent material into sealable steel or plastic containers, clearly labelled. Disposal of contaminated material must be done in accordance with State and/or Local regulations. Small spills: If spilt indoors, once absorbed and removed, wash contaminated surface with a mild detergent solution

HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact of the product with hands, skin, eyes and avoid breathing spray mist. Do not allow the product or spray mist to enter the mouth.

Wash hands, face and arms immediately after use and before eating, drinking, smoking or going to the toilet.

STORAGE:

Keep cool out of direct sunlight and provide adequate ventilation. Avoid contact with strong oxidising agents.

EXPOSURE CONTROLS/PERSONAL PROTECTION**EXPOSURE STANDARDS:**

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)
Oil mist, refined mineral - 5mg/m³

Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

BIOLOGICAL LIMIT:

Not applicable

ENGINEERING CONTROLS:

Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT:

For maximum protection, when handling the product, preparing and using spray, we recommend the following to be worn:

- overalls or long sleeved clothing and pants, covered footwear and a washable hat
- rubber gloves
- eye goggles
- half faced respirator with suitable filter for organic vapours.

Remove contaminated clothing immediately and wash thoroughly (separate from other clothing) after each days use.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Pale yellow clear liquid
ODOUR:	Negligible odour
pH:	Not relevant
VAPOUR PRESSURE:	<0.0001 mmHg @ 20°C
VAPOUR DENSITY:	No data available
BOILING POINT:	250 – 350°C
MELTING POINT:	No data available
SOLUBILITY IN WATER:	emulsifiable (mixes with water)
SPECIFIC GRAVITY:	0.87g/mL
FLASH POINT:	172°C minimum, typically 183°C
FLAMMABILITY LIMITS:	Not determined
IGNITION TEMPERATURE:	343°C (estimated)

STABILITY AND REACTIVITY

**CHEMICAL STABILITY:
CONDITIONS TO AVOID:**

Stable at normal storage conditions
Heat. Do not allow explosive mist to form near ignition sources.

**INCOMPATIBLE MATERIALS:
HAZARDOUS DECOMPOSITION PRODUCTS:
HAZARDOUS REACTIONS:**

Do not expose to oxidising agents
Oxides of carbon (carbon monoxide)
Combustion (Flashpoint at approx. 183°C)

TOXICOLOGICAL INFORMATION

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions. Poisoning symptoms include headaches, dizziness and nausea

ACUTE**SWALLOWED:**

The acute oral toxicity is Low. Oral LD50 (rat) >15000mg/kg (White oil).

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low. Repeated skin contact may cause allergic reactions. Estimated dermal LD50 (rabbit) >5000mg/kg (White oil).

INHALED:

The acute inhalation toxicity is moderate. Excessive exposure to mist/spray may be harmful. Prolonged exposure to the mist/spray may cause eye and respiratory irritation, dizziness and headaches.
Inhalation LD50 (rat) = No data available

CHRONIC:

Pre-existing conditions aggravated by exposure are disorders or diseases of the skin, respiratory, pulmonary system and lung.

ECOLOGICAL INFORMATION

ECOTOXICITY:

Toxic to aquatic organisms

PERSISTENCE AND DEGRADABILITY:

The half-life of white oil @ 20°C is 96 days @ pH 6.0

MOBILITY:

Data indicates that white oil has a low mobility rate in soil

DISPOSAL CONSIDERATIONS

Disposal of contaminated material must be done in accordance with State and/or Local regulations.
Dispose of empty containers by wrapping in paper, placing in plastic bag and putting in garbage.
Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

TRANSPORT INFORMATION

David Grays White Oil

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Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail. However, the product is classified as a C2 Combustible Liquid in accordance with AS1940.

UN NUMBER: Not Applicable
CORRECT SHIPPING NAME: Not Applicable
DANGEROUS GOODS CLASS: Not Applicable
SUB-CLASS: Not applicable
PACKAGING GROUP: Not Applicable
SPECIAL PRECAUTIONS FOR USER: Avoid extremes of heat.
HAZCHEM CODE: Not Applicable

REGULATORY INFORMATION

No further information available.

OTHER INFORMATION

CONTACT POINT

TITLE: David Grays Technical Department
TELEPHONE NUMBER: (08) 9337 4933
AUTHORISED: Production Chemist
DATE: 13th January 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 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 alter this MSDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours, or via e-mail <mailto:general@davidgray.com.au>