



# DAVID GRAY & CO PTY LIMITED

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(During Office Hours 8am to 4.30pm Monday to Friday)

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## MATERIAL SAFETY DATA SHEET

### IDENTIFICATION

**PRODUCT NAME:** David Grays Wetting Agent 600

**OTHER NAME:** None allocated

**MANUFACTURERS CODE:** 26992 (5L), 27072 (20L), 27075 (200L)

**USE:** A non-ionic wetting agent for the improvement of spray coverage and penetration when used with pesticides.

### HEALTH HAZARD INFORMATION

#### HEALTH EFFECTS

**HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia):**

Classified as hazardous according to the criteria of NOHSC.

**RISK PHRASES:** R66 Repeated exposure may cause skin dryness or cracking  
R20/R22 Harmful by inhalation and if swallowed  
R24/25 Avoid contact with eyes and skin  
R41 Risk of serious eye damage.

**SAFETY PHRASES:** S7 Keep containers tightly closed  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39 Wear eye/face protection.

### INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Nonyl phenol ethoxylate	9016-45-9	30-60%
Ethanol	64-17-5	<10%
Other ingredients determined to be non-hazardous		To 100%

## FIRST AID MEASURES

**GENERAL:**

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

**SWALLOWED:**

Rise mouth with water and give water to drink. Seek medical attention immediately.

Do not induce vomiting.

**EYE:**

Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. 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. Launder contaminated clothing before re-use.

**INHALED:**

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

**FIRST AID FACILITIES:**

Soap, water, eyewash

**ADVICE TO DOCTOR:**

Treat symptomatically. Can cause corneal burns.

## FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:**

For large fires use water fog, fine water spray or foam. Do not use water jets. For small fires use foam, dry chemical, carbon dioxide or water spray.

**SPECIFIC HAZARDS:**

May emit toxic smoke and fumes if involved in fires or exposed to extreme heat. On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.

The presence of alcohol in the product will allow it to flash, but it will not continue to burn unless the liquid is hot.

**FIRE FIGHTING PERSONAL PROTECTIVE EQUIPMENT:**

Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.

**HAZCHEM CODE:**

None allocated

## ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURE:** Spill or leak area should be isolated immediately. 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 all 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 water.

## HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING:

Avoid contact of the product with hands, skin, and eyes and avoid breathing spray mist. Do not allow the product or spray mist to enter the eyes or mouth. Wear cotton overalls, PVC or rubber gloves and eye goggles.

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

Store in the tightly closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs. Keep out of reach of children.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE STANDARDS:

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

NOHSC has set the following exposure standard for ethanol : TLV (TWA) 1,800 mg/m<sup>3</sup>,

**ENGINEERING CONTROLS:** Use in well ventilated area. Keep containers closed when not in use.

### PERSONAL PROTECTIVE EQUIPMENT:

When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves and goggles.

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

After each day's use, wash contaminated clothing and safety equipment.

## PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear viscous liquid
<b>ODOUR:</b>	Characteristic
<b>VAPOUR PRESSURE:</b>	2.4kPa (ethanol and water)
<b>VAPOUR DENSITY:</b>	Not Available
<b>BOILING POINT:</b>	>90°C
<b>MELTING POINT:</b>	<0°C
<b>SOLUBILITY IN WATER:</b>	Soluble
<b>SPECIFIC GRAVITY:</b>	1.016 – 1.026
<b>FLASH POINT:</b>	52°C (flash only, will not continue burning)
<b>FLAMMABILITY LIMITS:</b>	Not available
<b>IGNITION TEMPERATURE:</b>	Not applicable

## STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY:</b>	Stable at normal storage conditions
<b>CONDITIONS TO AVOID:</b>	Extreme heat
<b>INCOMPATIBLE MATERIALS:</b>	Strong oxidising agents
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon dioxide and carbon monoxide.
<b>HAZARDOUS REACTIONS:</b>	None known. Hazardous polymerisation is not possible.

## TOXICOLOGICAL INFORMATION

### **GENERAL:**

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

### **ACUTE**

#### **SWALLOWED:**

Swallowing may cause irritation of the gastrointestinal tract, nausea and vomiting.

#### **EYE:**

May cause eye irritation. Contamination of eyes can result in permanent injury. Corrosive to eyes; contact can cause cornea burns.

#### **SKIN:**

Contact with skin may result in irritation. Repeated exposure may cause skin dryness, cracking and irritant contact dermatitis.

#### **INHALED:**

Inhalation of high concentration of product mist may cause respiratory irritation

#### **CHRONIC:**

No information available for the product.

## ECOLOGICAL INFORMATION

**ECOTOXICITY:**

Toxic to aquatic life

**PERSISTENCE AND DEGRADABILITY:**

The substance is not expected to be readily biodegradable

**MOBILITY:**

No data available

Avoid contaminating waterways

## DISPOSAL CONSIDERATIONS

Disposal of contaminated material must be done in accordance with State and/or Local regulations.

**Product Disposal:** On site disposal of the concentrated product is not acceptable.

Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemCollect).

**Container Disposal:** Do not use this container for any other purpose.

Do not use this container for any other purpose.

Triple rinse containers, add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. If recycling, replace cap and return clean containers to recycler or designated collection point.

If not recycling, puncture or shred and bury containers in 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.

Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

## TRANSPORT INFORMATION

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

**UN NUMBER:** Not applicable

**CORRECT SHIPPING NAME:** Not applicable

**DANGEROUS GOODS CLASS:** Not applicable

**SUB-CLASS:** Not applicable

**PACKAGING GROUP:** Not applicable

**HAZCHEM CODE:** Not applicable

## REGULATORY INFORMATION

**Poisons Schedule** Not Scheduled

**Hazard Category** Harmful, Irritant

## OTHER INFORMATION

### CONTACT POINT

**TITLE:** Technical Department

**TELEPHONE NUMBER:** (08) 9337 4933

**AUTHORISED:** *Celine Schnell*

**DATE:** 18 Jan. 11

**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>