

# MATERIAL SAFETY DATA SHEET

## Nuturf Dimension

Emergency Response: 1800 631 008	Phone: (02) 9395 1200
Nuturf Pty Ltd ABN 30 000 425 927	Fax (02) 9395 1241
Unit B2 Lidcombe Business Park	Toll Free (B/H): 1800 631 008
3-9 Birnie Ave Lidcombe, NSW 2141	(A/H) 1800 033 498
AUSTRALIA	

Not classified as hazardous according to the criteria of NOHSC Australia.

### I IDENTIFICATION

Product Name: Nuturf Dimension

Other Names: None.

Product Code: None.

UN No: None allocated

Hazchem Code: None allocated

Dangerous Goods Class: None allocated

Sub Risk Class: None allocated

Packaging Group: None allocated

Poison Schedule: S5

Chemical Family: Blend of ingredients (see below).

Uses: Agricultural herbicide for use as described on product label.

### Physical Appearance & Properties

Appearance & Odour: Yellow coloured liquid. Kerosene odour.

Melting/softening point: No specific data. Liquid at normal temperatures.

Boiling point and vapour pressure: 176-210°C at 100kPa

Volatile materials: No specific data. Expected to be low at 100°C.

Flashpoint: 63°C

Flammability limits: Not applicable. This product is not flammable.

Specific gravity: 0.95

Solubility in water: Emulsifiable.

Corrosiveness: Not corrosive. pH 4.1 (aqueous emulsion)

Vapour Pressure: 3mm Hg at 25°C

Ingredients	Chemical Entity	CAS No	Proportion, %	Worksafe Exposure Limits	
				TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
	Dithiopyr	97886-45-8	12	not set	not set
	Aromatic hydrocarbons	64742-94-5	77	not set	not set
	Other non hazardous ingredients	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

### II HEALTH HAZARD DATA

#### Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999).

Repeated exposure may cause allergic disorders. In 2 year feeding trials for technical Dithiopyr, rats receiving <10 mg/kg diet showed no ill effects. In 1 year feeding trials for technical Dithiopyr, the no effect level for dogs was <0.5 mg/kg bodyweight per day. Non-carcinogenic. Non-mutagenic. Non-teratogenic.

#### Acute Effects:

Swallowed: Data suggests that this product may cause gastric upset such as nausea, headache and vomiting if swallowed. However, should present no lasting problems.

Eye: This product may be mildly irritating to eyes. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any lasting effects.

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Skin: This product may irritate skin. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any significant lasting effects.

Inhalation: No inhalation hazards incidental to normal handling operations are anticipated from this product when used at room temperatures.

For Dithiopyr:

LD<sub>50</sub> Oral (Rat) >5000mg/kg

LD<sub>50</sub> Oral (Mouse) >5000mg/kg

LD<sub>50</sub> Dermal (Rat) >5000mg/kg

LD<sub>50</sub> Dermal (Rabbit) >5000mg/kg

## First Aid:

If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 13 1126 from anywhere in Australia. If possible have this MSDS or product label with you.

Swallowed: If swallowed, do NOT induce vomiting. Wash mouth with water and give a glass of water to drink.

Eyes: If product gets in eyes, wash material from them with running water. If they begin watering or reddening, take special care in washing thoroughly.

Skin: If product gets on skin, thoroughly wash contacted areas. No further measures should normally be required unless irritation is noticed. If irritation persists, seek medical attention.

Inhalation: No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically. Note the nature of this product.

## III PRECAUTIONS FOR USE

### Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m<sup>3</sup> for dusts or mists when limits have not otherwise been established. The ADI (Acceptable Daily Intake) for Dithiopyr is set at 0.005mg/kg/day. The corresponding NOEL (No-observable-effect-level) is set at 0.5mg/kg/day. Values taken from Australian ADI List, January 2001.

### Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

### Personal Protection:

Respiratory Protection: It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves: Impermeable protective gloves should be worn when you are using this product, to prevent irritation. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing: This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Consult AS2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## IV SAFE HANDLING INFORMATION

### Storage & Transport

No special storage and transport requirements. This product has no UN classification. This product is a S5 Poison. Observe all relevant regulations regarding sale, transport and storage of this class of product. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

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## Spills & Disposals

In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Avoid using sawdust or other combustible material. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations.

## Fire & Explosion Hazard

This product is classified as a C1 combustible product. There is a slight risk of an explosion from this product if it is involved in a fire.

Flashpoint: 63°C

Flammability limits: Not applicable. This product is not flammable.

Extinguishing Media: carbon dioxide, dry chemical, foam, water fog.

Special Fire Fighting procedures: When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and respirator. All skin areas should be covered.

Unusual Fire & Explosion Hazards: Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Hydrogen fluoride gas and fluorides. Water.

Materials to avoid: strong acids, strong bases, strong oxidising agents.

**Note:** This product is combustible and therefore, for Storage, meets the definition of Dangerous Goods in some states. We suggest you consult your state's Dangerous Goods laws in order to clarify your obligations regarding the storage of this product.

## V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

### Contact Points:

		AUSTRALIA
<b>Police and Fire Brigade:</b>	<b>Dial</b>	<b>000</b>
<b>If ineffective:</b>	<b>Dial</b>	<b>1100 (Exchange)</b>
<b>For emergency response: B/H</b>	<b>Dial</b>	<b>1800 631 008</b>
<b>For emergency response: A/H</b>	<b>Dial</b>	<b>1800 033 498</b>
<b>National Poisons Information Centre:</b>	<b>Dial</b>	<b>13 1126 (from anywhere in Australia)</b>

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. THE RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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<http://www.kilford.com.au/> Phone (02)9516 2079