



4 Farmers ... For Farmers
Printing date 20.05.2016

SAFETY DATA SHEET

According to Safe Work Australia

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Revision: 20.05.2016

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: 4FARMERS SUNSHADE SPRAY ADJUVANT

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use: Agricultural adjuvant

Details of Manufacturer or Importer:

4Farmers Australia Pty Ltd
70 McDowell Street
Welshpool WA 6106

Phone Number: +61 8 9356 3446

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified according to the Globally Harmonised System (GHS).

Signal Word Void

Hazard Statements Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	>90%
68526-94-3	Alcohols, C12-20, ethoxylated ⚠ Skin Irrit. 2, H315	<5%
26027-38-3	Polyoxyethylated p-nonylphenol ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. (Oral) 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Acute 2, H401	<2%

Additional information:

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. This note applies to certain complex oil-derived substances in Annex I (CAS No. 64742-53-6).

4 . FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

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Ingestion:

If swallowed, do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: Inhalation of vapours may cause respiratory irritation, drowsiness, dizziness, sleepiness, reduced alertness, loss of reflexes and co-ordination accompanied by vertigo, headache, appetite loss, tremors and stupor. Large exposures can cause severe central nervous system depression, deep coma and death. Convulsions can occur due to brain irritation and or lack of oxygen, resulting in permanent scarring with epileptic seizures and brain bleeds occurring months after exposure. Respiratory system effects include inflammation of the lungs with oedema and bleeding.

Skin Contact: May cause skin irritation. May cause inflammation, redness and sensitisation in some persons.

Eye: May cause irritation, excessive tearing and numbing of the cornea. Direct eye contact with petroleum hydrocarbons can be painful and cause corneal damage.

Ingestion: Ingestion may be harmful to health. May irritate the pharynx, oesophagus, stomach and small intestine, causing swelling and ulcers of the mucous membranes, burning mouth and throat, nausea, vomiting, narcosis, weakness, dizziness, slow and shallow breathing, abdominal swelling, unconsciousness and convulsions. May cause tingling and numbness of the tongue. Aspiration can cause cough, gagging and pneumonia with swelling and bleeding.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, dry chemical powder, BCF or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and other pyrolysis products typical of burning organic material.

Combustible liquid Class 2. Slight fire hazard when exposed to heat or flame.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Contamination with oxidising agents such as nitrates, oxidising agents, chlorine bleaches or pool chlorine may cause ignition.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear an approved vapour respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Slippery when spilled.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

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Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep in original container tightly closed when not in use. Protect from prolonged periods in direct sunlight, heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, nitrates, oxidising acids, chlorine bleaches and pool chlorine.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION**Exposure Standards:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Use an approved Type A-P respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES**Appearance:**

Form:	Liquid
Colour:	Bright and clear colourless to very pale
Odour:	Mild odour
Odour Threshold:	No information available
pH-Value:	7.0 - 8.5 (as supplied)
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	> 290 °C
Flash Point:	> 150 °C (PMCC)
Flammability:	Combustible liquid Class 2
Auto-ignition Temperature:	>230 °C
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	1.5 %
Upper:	6.0 %
Vapour Pressure:	No information available

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Relative Density:	0.878
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Immiscible. Forms a milky white emulsion in water.

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames, hot surfaces and direct sunlight.

Incompatible Materials: Strong oxidising agents, nitrates, oxidising acids, chlorine bleaches or pool chlorine.

Hazardous Decomposition Products:

Hazardous combustion products include oxides of carbon and other pyrolysis products typical of burning organic material.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

26027-38-3 Polyoxyethylated p-nonylphenol

Oral	LD ₅₀	4290 mg/kg (mouse) 1410 mg/kg (rat)
Dermal	LD ₅₀	2830 mg/kg (rabbit)

Acute Health Effects

Inhalation:

Inhalation of vapours may cause respiratory irritation, drowsiness, dizziness, sleepiness, reduced alertness, loss of reflexes and co-ordination accompanied by vertigo, headache, appetite loss, tremors and stupor. Large exposures can cause severe central nervous system depression, deep coma and death. Convulsions can occur due to brain irritation and or lack of oxygen, resulting in permanent scarring with epileptic seizures and brain bleeds occurring months after exposure. Respiratory system effects include inflammation of the lungs with oedema and bleeding.

Skin: May cause skin irritation. May cause inflammation, redness and sensitisation in some persons.

Eye:

May cause irritation, excessive tearing and numbing of the cornea. Direct eye contact with petroleum hydrocarbons can be painful and cause corneal damage.

Ingestion:

Ingestion may be harmful to health. May irritate the pharynx, oesophagus, stomach and small intestine, causing swelling and ulcers of the mucous membranes, burning mouth and throat, nausea, vomiting, narcosis, weakness, dizziness, slow and shallow breathing, abdominal swelling, unconsciousness and convulsions. May cause tingling and numbness of the tongue. Aspiration can cause cough, gagging and pneumonia with swelling and bleeding.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

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Carcinogenicity:

This product does NOT contain any IARC listed chemicals.

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Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

Repeated skin exposure may cause skin cracking, flaking or drying following normal handling and use. Extended skin exposure may cause eczema, inflammation of hair follicles, pigmentation of the face and warts on the soles of the feet. Constant exposure over long periods to mixed hydrocarbons may cause stupor with dizziness, weakness and visual disturbance, weight loss and anemia and reduced liver and kidney function.

Existing Conditions Aggravated by Exposure:

Pre-existing skin disorders may be aggravated by exposure to this product.

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Aquatic toxicity:

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Persistence and Degradability: Polyoxyethylated p-nonylphenol has low persistence in water/soil.

Bioaccumulative Potential: Polyoxyethylated p-nonylphenol has a low potential for bioaccumulation.

Mobility in Soil: Polyoxyethylated p-nonylphenol is moderately mobile.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

64742-53-6	Distillates (petroleum), hydrotreated light naphthenic
68526-94-3	Alcohols, C12-20, ethoxylated
26027-38-3	Polyoxyethylated p-nonylphenol

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Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 20.05.2016**Abbreviations and acronyms:**

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Acute Tox. (Oral) 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. 4Farmers Australia Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.