

Infosafe No™ NU011	Issue Date : February 2016	ISSUED by NUFARM
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Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

1. Identification

GHS Product Identifier	DIMETHOATE Systemic Insecticide
Product Code	1070 5 & 20L pack sizes only
Product Type	Group 1B Insecticide
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	For the control of a wide range of pests on fruit, vegetables, pastures, cotton, lucerne, peanuts and ornamentals as per the Directions for Use table on the label.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	CA2 Carcinogenicity: Category 2 OT4 Acute Toxicity - Oral: Category 4 DT4 Acute Toxicity - Dermal: Category 4 GT/VT/IT 4 Acute Toxicity - Inhalation: Category 4 AH1 Aspiration Hazard: Category 1 SE-3NARC STOT Single Exposure Category 3 (narcotic) FL3 Flammable Liquids: Category 3
Signal Word (s)	DANGER
Hazard Statement (s)	H351 Suspected of causing cancer. H302 Harmful if swallowed. H312 Harmful in contact with skin. H332 Harmful if inhaled. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. AUH066 Repeated exposure may cause skin dryness or cracking H226 Flammable liquid and vapour.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Exclamation mark, Health hazard, Flame, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.



Precautionary statement – Prevention

P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash hands and exposed skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves, clothing, eye and face protection.
 P261 Avoid breathing mists, vapours or spray.
 P271 Use only outdoors or in a well-ventilated area.
 P210 Keep away from sparks, open flames and hot surfaces. - No smoking.
 P233 Keep container tightly closed.
 P241 Use explosion-proof electrical equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.

Infosafe No™ NU011	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

Precautionary statement – Response	P308+P313 IF exposed or concerned: Get medical advice. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting.
Other Information	Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Dimethoate	60-51-5	400 g/L
	Cyclohexanone	108-94-1	30-60 %
	Liquid Hydrocarbons	64742-94-5	255 g/L
	Other ingredients (considered non-hazardous)		Balance

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. Obtain medical assistance.
Ingestion	Rinse mouth thoroughly with water. Give a glass of water. Seek medical advice immediately. If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical advice immediately.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Vomiting may cause pulmonary aspiration. The stomach should be emptied as soon as possible by careful gastric lavage (using a cuffed endotracheal tube already in place). Artificial respiration should be started at the first sign of respiratory failure. Cautious administration of fluids is advised, as well as general supportive and symptomatic pharmacological treatment and absolute rest. As early as possible, administer 2 mg of atropine sulfate i.v. and 1000-2000 mg of pralidoxime chloride or 250 mg of obidoxime chloride (adult dose) i.v. to patients suffering from severe respiratory difficulties, convulsions, and unconsciousness. Repeated doses of 2 mg of atropine sulfate should be given, as required, based on the respiration, blood pressure, pulse frequency, salivation, and convulsion conditions. The dose and the frequency of atropine varies with each patient, but the patient should remain fully atropinised (signs include dilated pupils, dry mouth, skin flushing). Diazepam should be given in all but the mildest cases in doses of 10 mg, s.c. or i.v., which may be repeated as required. For children, the doses are 0.04-0.08 mg of atropine/kg body weight, 250 mg of pralidoxime chloride per child, or 4-8 mg of obidoxime chloride/kg body weight. Morphine, barbiturates, phenothiazine derivatives, tranquillizers, and all kinds of central stimulants are contraindicated.

5. Fire-fighting measures

Infosafe No™ NU011	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

Product Name **DIMETHOATE Systemic Insecticide**

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Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion Products	If involved in a fire, it will emit dimethyl sulphide, methyl mercaptans and possibly phosphorus pentoxide.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Hazchem Code	2W
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Do NOT flush with water.
Clean-up Methods - Large Spillages	Place damaged containers in recovery bins (if available) and return to manufacturer.
Environmental Precautions	Contaminated earth (after a spill) can be treated with lime to hasten decomposition of the active ingredient. At pH9, approximately 50% will decompose in 12 days.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Store in a locked enclosure. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs. Protect from direct sunlight and temperatures above 40°C. If storing for more than 2-3 months, avoid temperatures above 30°C.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No biological exposure limit allocated. No exposure standard for this product has been set, however, an exposure standard has been set for cyclohexanone at 100 mg/m ³ . The manufacturer of the solvent has recommended an occupational exposure limit of 100 mg/m ³ ; 17ppm TWA, as total hydrocarbon.
Appropriate engineering controls	Natural ventilation is sufficient when handling concentrate and preparing spray solution.
Respiratory Protection	Do not inhale spray mist.
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, goggles, impervious footwear and half piece respirator with combined dust and gas cartridge (canister). Class A filter cartridge.
Hygiene Measures	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.
Requirements Concerning Special Training	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. Physical and chemical properties

Form	Liquid
Appearance	Amber liquid
Odour	Characteristic odour

Infosafe No™ NU011	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

Product Name **DIMETHOATE Systemic Insecticide**

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Solubility in Water	Disperses in water. Not soluble.
Specific Gravity	1.057
Vapour Pressure	0.25 mPa @ 25°C for dimethoate
Surface Tension	9.5 mN/m
Flash Point	52°C
Flammability	Flammable Liquid.
Flammable Limits - Lower	1.3% for cyclohexanone
Flammable Limits - Upper	9.4% for cyclohexanone
Kinematic Viscosity	4.7 x 10 ⁻⁶ m ² /sec

10. Stability and reactivity

Chemical Stability	Stable under normal conditions. Hydrolyses at pH >7.
Incompatible Materials	Avoid contact of the concentrate with strong alkalis and alkaline materials such as lime.
Possibility of hazardous reactions	Keep away from strong oxidising agents.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Acute Toxicity - Oral	LD50 (rat) 250 - 325 mg/kg for dimethoate
Acute Toxicity - Dermal	LD50 (rat) >2000 mg/kg for dimethoate
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >1.6 mg/l for dimethoate
Ingestion	The concentrate is harmful if swallowed. Symptoms of overexposure to large quantities of product may include: nausea, vomiting, abdominal pains, diarrhea, pinpoint pupils, blurred vision, profuse sweating, salivations and muscle twitching. If aspirated into the lung, e.g. from vomiting, the presence of solvent may result in chemical pneumonitis or pulmonary oedema.
Inhalation	Breathing vapour can result in headaches, dizziness and possible nausea. Breathing in high concentrations of vapour can produce central nervous system depression, which can lead to loss of coordination, impaired judgement and if exposure is prolonged, unconsciousness.
Skin	Prolonged contact with the concentrate may result in absorption of dimethoate in harmful amounts. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.
Eye	The concentrate may cause irritation of the eyes.
Skin Sensitisation	Product is not a skin sensitiser.
Chronic Effects	Regular exposure may result in lowering of cholinesterase activity which will recover within a few days after exposure ceases. Regular exposure may result in effects on the liver and blood.
Skin corrosion/irritation	Not a skin irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for dimethoate for a human is 0.001 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.1 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', December 2014).

Infosafe No™ NU011	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

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12. Ecological information

Persistence and degradability	Not readily biodegradable.
Other Precautions	Do not spray in high winds. Do not contaminate dams, waterways or sewers with this product.
Environmental Protection	Marine pollutant.
Acute Toxicity - Fish	The following is data for the active ingredient, dimethoate. LC50 (96hr) for rainbow trout is 6.2 mg/l.
Acute Toxicity - Daphnia	EC50 (48hr) is (for dimethoate) 3.3 mg/l.
Acute Toxicity - Other Organisms	The following data is for the active ingredient, dimethoate. Moderately toxic to birds. LD50 for mallard ducks is 41.7 mg/kg Bees: Toxic to bees. LD50 0.17 µg/bee.

13. Disposal considerations

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 (ChemClear®).
Container Disposal	Do not use this container for any other purpose. Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. Empty containers and product should not be burnt. Returnable containers: empty contents fully into application equipment. Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

Transport Information	It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.
U.N. Number	3017
UN proper shipping name	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE - (contains Dimethoate and hydrocarbon solvent)
Transport hazard class(es)	6.1
Sub.Risk	3
Hazchem Code	2W
Packaging Method	3.8.6
Packing Group	III
Storage and Transport	Considered dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
EPG Number	6C3
IERG Number	17
IMO Marine Pollutant	Marine Pollutant

15. Regulatory information

Infosafe No™ NU011	Issue Date : February 2016	ISSUED by NUFARM
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Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

Regulatory Information	WHS Schedule 11: item 8 - Flammable Liquid category 3.
Poisons Schedule	S6
National and or International Regulatory Information	There is a legislative requirement in most States in Australia for workers to be medically monitored when using organophosphates, by:- 'estimation of red cell and plasma cholinesterase activity towards the end of the day on which organophosphates have been used'. Ref: Control of Workplace Hazardous Substances, NOHSC:1005.
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 32962.

16. Other Information

Date of preparation or last revision of SDS	Revised 03/02/2016 This SDS replaces document dated December 2014.
Contact Person/Point	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted	The SDS was reviewed. Minor changes were made to the information. This SDS only refers to the 5L and 20L pack sizes available for future sale. ...End Of MSDS...

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Infosafe No™ 3NUVY	Issue Date : February 2016	ISSUED by NUFARM
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 Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

1. Identification

GHS Product Identifier	DIMETHOATE Systemic Insecticide
Product Code	1070 10L pack size only
Product Type	Group 1B Insecticide
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	For the control of a wide range of pests on fruit, vegetables, pastures, cotton, lucerne, peanuts and ornamentals as per the Directions for Use table on the label.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	OT4 Acute Toxicity - Oral: Category 4 SC-2 Skin Corrosion/Irritation: Category 2 FL2 Flammable Liquids: Category 2
Signal Word (s)	WARNING
Hazard Statement (s)	H302 Harmful if swallowed. H315 Causes skin irritation. H226 Flammable liquid and vapour.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Exclamation mark, Flame, The below pictograms are GHS Hazard symbols for workplace use only. See SECTION 14 for Dangerous Goods information.
 	
Precautionary statement – Prevention	P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, clothing, eye and face protection. P210 Keep away from sparks, open flames and hot surfaces. - No smoking. P233 Keep container tightly closed. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge.
Precautionary statement – Response	P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P332+P313 If skin irritation occurs: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.
Other Information	Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization	Liquid						
Ingredients	<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Name</u></th> <th style="text-align: left;"><u>CAS</u></th> <th style="text-align: left;"><u>Proportion</u></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>			
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Infosafe No™ 3NUVY	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

Product Name **DIMETHOATE Systemic Insecticide**

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Dimethoate	60-51-5	400 g/L
Cyclohexanone	108-94-1	30-60 %
Xylene	1330-20-7	10-30 %
Other ingredients (considered non-hazardous)		Balance

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. Obtain medical assistance.
Ingestion	Rinse mouth thoroughly with water. Give a glass of water. Seek medical advice immediately. If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical advice immediately.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice.
First Aid Facilities	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
Advice to Doctor	Vomiting may cause pulmonary aspiration. The stomach should be emptied as soon as possible by careful gastric lavage (using a cuffed endotracheal tube already in place). Artificial respiration should be started at the first sign of respiratory failure. Cautious administration of fluids is advised, as well as general supportive and symptomatic pharmacological treatment and absolute rest. As early as possible, administer 2 mg of atropine sulfate i.v. and 1000-2000 mg of pralidoxime chloride or 250 mg of obidoxime chloride (adult dose) i.v. to patients suffering from severe respiratory difficulties, convulsions, and unconsciousness. Repeated doses of 2 mg of atropine sulfate should be given, as required, based on the respiration, blood pressure, pulse frequency, salivation, and convulsion conditions. The dose and the frequency of atropine varies with each patient, but the patient should remain fully atropinised (signs include dilated pupils, dry mouth, skin flushing). Diazepam should be given in all but the mildest cases in doses of 10 mg, s.c. or i.v., which may be repeated as required. For children, the doses are 0.04-0.08 mg of atropine/kg body weight, 250 mg of pralidoxime chloride per child, or 4-8 mg of obidoxime chloride/kg body weight. Morphine, barbiturates, phenothiazine derivatives, tranquillizers, and all kinds of central stimulants are contraindicated.

5. Fire-fighting measures

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from Combustion	If involved in a fire, it will emit dimethyl sulphide, methyl mercaptans and possibly phosphorus pentoxide.
Special Protective Equipment for fire fighters	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
Hazchem Code	•3Y
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal. Do NOT flush with water.
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Infosafe No™ 3NUVY	Issue Date : February 2016	ISSUED by NUFARM
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Clean-up Methods - Large Spillages	Place damaged containers in recovery bins (if available) and return to manufacturer.
Environmental Precautions	Contaminated earth (after a spill) can be treated with lime to hasten decomposition of the active ingredient. At pH9, approximately 50% will decompose in 12 days.

7. Handling and storage

Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Store in a locked enclosure. Keep container tightly sealed and do not store with seed, fertilisers or foodstuffs. Protect from direct sunlight and temperatures above 40°C. If storing for more than 2-3 months, avoid temperatures above 30°C.
Other Information	Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values	No biological exposure limit allocated. No exposure standard for this product has been set, however, an exposure standard has been set for cyclohexanone at 100 mg/m3. The manufacturer has recommended the following exposure standard for xylene: TLV (TWA) 350 mg/m3, STEL 655 mg/m3.
Appropriate engineering controls	Natural ventilation is sufficient when handling concentrate and preparing spray solution.
Respiratory Protection	Do not inhale spray mist.
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, goggles, impervious footwear and half piece respirator with combined dust and gas cartridge (canister). Class A filter cartridge.
Hygiene Measures	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.
Requirements Concerning Special Training	Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. Physical and chemical properties

Form	Liquid
Appearance	Amber liquid
Odour	Characteristic odour
Solubility in Water	Disperses in water. Not soluble.
Specific Gravity	1.055
Vapour Pressure	0.25 mPa @ 25°C for dimethoate
Flash Point	39°C
Flammability	Flammable Liquid. GHS category 3.
Flammable Limits - Lower	1.0% for xylene
Flammable Limits - Upper	9.4% for cyclohexanone

10. Stability and reactivity

Chemical Stability	Stable under normal conditions. Hydrolyses at pH >7.
Incompatible Materials	Avoid contact of the concentrate with strong alkalis and alkaline materials such as lime.

Infosafe No™ 3NUVY	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

Possibility of hazardous reactions Keep away from strong oxidising agents.

Hazardous Polymerization Hazardous polymerisation is not possible.

11. Toxicological Information

Toxicology Information No harmful effects are expected if the precautions on the label and this MSDS are followed.

Acute Toxicity - Oral LD50 (rat) 550 mg/kg for mixture (ATE calculation)

Acute Toxicity - Dermal LD50 (rat) >2000 mg/kg for dimethoate

Acute Toxicity - Inhalation LC50 (rat) (4hr) >1.6 mg/l for dimethoate

Ingestion The concentrate is harmful if swallowed.
Symptoms of overexposure to large quantities of product may include: nausea, vomiting, abdominal pains, diarrhea, pinpoint pupils, blurred vision, profuse sweating, salivations and muscle twitching.

Inhalation If aspirated into the lung, e.g. from vomiting, the presence of solvent may result in chemical pneumonitis or pulmonary oedema.

Breathing vapour can result in headaches, dizziness and possible nausea.
Breathing in high concentrations of vapour can produce central nervous system depression, which can lead to loss of coordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin Prolonged contact with the concentrate may result in absorption of dimethoate in harmful amounts.

Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.

Eye The concentrate may cause irritation of the eyes.

Skin Sensitisation Product is not a skin sensitiser.

Chronic Effects Regular exposure may result in lowering of cholinesterase activity which will recover within a few days after exposure ceases.

Regular exposure may result in effects on the liver and blood.

Skin corrosion/irritation Not a skin irritant.

Other Information The Australian Acceptable Daily Intake (ADI) for dimethoate for a human is 0.001 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.1 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', December 2014).

12. Ecological information

Persistence and degradability Not readily biodegradable.

Other Precautions Do not spray in high winds.
Do not contaminate dams, waterways or sewers with this product.

Environmental Protection Marine pollutant.

Acute Toxicity - Fish The following is data for the active ingredient, dimethoate.
LC50 (96hr) for rainbow trout is 30 mg/l.

Acute Toxicity - Daphnia EC50 (48hr) is (for dimethoate) 2.0 mg/l.

Acute Toxicity - Other Organisms The following data is for the active ingredient, dimethoate.

Moderately toxic to birds.

LD50 for mallard ducks is 41.7 mg/kg

Bees: Toxic to bees. LD50 0.17 µg/bee.

13. Disposal considerations

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

Infosafe No™ 3NUVY	Issue Date : February 2016	ISSUED by NUFARM
--------------------	----------------------------	------------------

Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

Container Disposal collections of unwanted chemicals (ChemClear®).
Do not use this container for any other purpose.
Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank.
If recycling, replace cap and return clean containers to recycler or designated collection point.
If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility.
If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations.
Empty containers and product should not be burnt.
Returnable containers: empty contents fully into application equipment.
Replace cap, close all valves and return to the point of supply for refill or storage.

14. Transport information

Transport Information It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

U.N. Number 1993

UN proper shipping name FLAMMABLE LIQUID, N.O.S. - (contains Dimethoate and xylene)

Transport hazard class(es) 3

Hazchem Code •3Y

Packaging Method 3.8.6

Packing Group III

Storage and Transport EPG Number Considered dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
6C3

IERG Number 14

IMO Marine Pollutant Marine Pollutant

15. Regulatory information

Regulatory Information WHS Schedule 11: item 8 - Flammable Liquid category 3.

Poisons Schedule S6

National and or International Regulatory Information There is a legislative requirement in most States in Australia for workers to be medically monitored when using organophosphates, by:- 'estimation of red cell and plasma cholinesterase activity towards the end of the day on which organophosphates have been used'.
Ref: Control of Workplace Hazardous Substances, NOHSC:1005.

Packaging & Labelling POISON
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Other Information This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 32962.

16. Other Information

Date of preparation or last revision of SDS 29/01/2016

Contact Person/Point Revisions Highlighted Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000
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First Issue
This SDS only refers to the 10L pack sizes available for future sale.



Safety Data Sheet

infosafe
CS: 1.7.2

Page: 6 of 6

Infosafe No™ 3NUVY

Issue Date : February 2016

ISSUED by NUFARM

Product Name **DIMETHOATE Systemic Insecticide**

Classified as hazardous

...End Of MSDS...

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