

Safety Data Sheet

Dimezyl® 40EC

Date of issue: 29th July, 2015

1) Identification of Substance:	
Product name:	Dimezyl 40EC
Active Ingredient(s):	Dimethoate 400 g/L EC.
ACVM Approval:	P5580
EPA Approval:	HSR000188
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adriacp.co.nz
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766
2) Hazards Identification:	
HSNO Classifications:	3.1C, 6.1D (oral), 6.1E (aspiration), 6.4A, 6.8B, 6.9A, 9.1B, 9.2B, 9.3A, 9.4A
Risk and safety phrases:	Flammable liquid and vapour. May be harmful if swallowed, inhaled or absorbed through the skin. May cause eye and mild skin irritation. May cause neurological symptoms (See 'Symptoms of Poisoning' below) from repeated ingestion at high doses.
Dangerous product	Flammable. May form flammable vapour-air mixture.
Environmental hazard	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Primary route of exposure	Vapours inhalation. Skin contact.
Symptoms relating to use:	
Inhalation	Danger of serious damage to health by exposure through inhalation. Dizziness. Drowsiness. Sweating. Breathing difficulties. Nausea. Weakness. Cramps. Salivation. Dry throat. Cough.
Skin contact	Absorbed through the skin. Redness. Prolonged or repeated contact may cause skin to become dry or cracked. See inhalation.
Eye contact	Redness, pain.
Ingestion	Ingestion may cause nausea, vomiting and diarrhoea. Unconsciousness. Must not come into contact with food or be consumed. See inhalation.

3) Composition Details:		
Chemical identity:	Dimethoate	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Dimethoate	60-51-5	38.5 – 41.5 %
4) First Aid Measures:		
General Information:		
Skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.	
Eye contact:	Check for and remove any contact lenses. In case of eye contact, immediately rinse with clean water for 10-15 minutes. Obtain medical attention if pain, blinking or redness persist.	
Ingestion:	DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious). Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Assure fresh air breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention if breathing difficulty persists.	
5) Fire-Fighting Measures:		
Flammable class	This product is flammable.	
Prevention	Keep away from sources of ignition. No naked lights. No smoking.	
Extinguishing media	Dry chemical. Water. Carbon dioxide. Foam.	
Surrounding fires	Use water spray or fog for cooling exposed containers.	
Specific hazards	May form flammable vapour-air mixture. Sulphur dioxide. Phosphorus oxides. Nitrogen oxides. Carbon monoxide. Carbon dioxide.	
Protection against fire	Do not enter fire area without proper protective equipment, including respiratory protection.	
Special procedures	Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.	
6) Accidental Release Measures:		
Personal precautions:	No smoking. Keep public away from danger area. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.	
Environmental precautions:	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.	
Clean up methods:	Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.	


7) Handling & Storage:	
General	Keep away from sources of ignition - No Smoking. Do not breathe vapours.
Equipment	Apply using calibrated and maintained equipment in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). Must be applied via ground-based methods only.
Precautions in handling and storage	Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixtures.
Technical Protective Measures:	Use grounded electrical/mechanical equipment.
Handling:	Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Storage:	Storage must be generally in accordance with the NZ Standard for the Management of Agrichemicals (NZS8409). Keep locked up. Store above 4°C. Store in well ventilated area below 25°C. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.
8) Exposure Control / Personal Protection:	
PERSONAL PROTECTIVE (PPE) AND RESPIRATORY PROTECTIVE EQUIPMENT (RPE):	Avoid contact with eyes and skin. Avoid inhalation of vapour or spray mist. When mixing or applying, wear chemical resistant overalls, chemical resistant boots and gloves, chemical resistant footwear plus socks, chemical resistant head gear, eye protection and respirator (organic vapour and particulate matter). Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.
Ingestion:	When using, do not eat, drink or smoke.
Spray Drift:	The person applying the substance must not cause adverse effects beyond the boundary of the treated property, and must also avoid adverse effects from spray drift occurring. Mitigation measures employed must be recorded as part of the application records.
RESTRICTED ENTRY INTERVAL (REI):	The REI is 48 hours. The person in charge is responsible for making sure no person enters the application area before the end of the REI.
Bees:	THIS PRODUCT IS VERY TOXIC TO BEES. Do not apply this product to any plant or tree likely to be visited by bees: a) At the time of application; or b) Immediately after application until spray has dried; or c) In areas where bees are foraging.

Notification:	<p>Notification is only required for outdoor use, and when used in a wide dispersive manner. The person applying the substance in this situation must:</p> <ul style="list-style-type: none"> - Give written notice to anyone likely to be directly affected (such as owners and occupiers of land, property, buildings or houses immediately next to the application area). - Ensure the notification is given at least 2 working days before, but no more than 4 weeks before, each application of the product. - Ensure the written notice includes: <ul style="list-style-type: none"> a) Where the product will be applied; b) The date and approximate duration of each application; c) The steps that notified parties should take to avoid exposure; d) The name of the organisation(s) applying the product; e) Contact details for the person in charge of the application (phone, email or postal address, including a contact number for immediate contact during application).
Industrial hygiene:	Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.
9) Physical & Chemical Properties:	
Physical state at 20 °C:	Liquid
Colour:	Yellow
Odour:	Pungent
Melting point/boiling point:	-
Density:	1.06 g/L
Surface tension [mN/m]:	-
pH:	4.0 – 8.0
Flash point [°C]:	< 30°C
Ignition Temperature: [°C]:	-
Explosive Limits:	-
Viscosity:	-
Solubility in water	Emulsifiable
10) Stability & Reactivity:	
Stability and reactivity	Stable.
Hazardous decomposition products	According to process conditions, hazardous decomposition products may be generated. Thermal decomposition generates: Sulphur dioxide. Phosphorus oxides. Nitrogen oxides. Carbon monoxide. Carbon dioxide.
Hazardous reactions:	May release flammable gases.
Materials to avoid	Strong oxidizers. Strong reducing agents.
Conditions to avoid	Open flame. Sparks. Overheating.
11) Toxicological Information:	
Rat oral LD50 [mg/kg]	387
Dermal LD50 [mg/kg]	>2,000
Rat inhalation LC50 [mg/l/4h]	>1.6







12) Ecological Information:


Ecotoxicity:	VERY TOXIC TO AQUATIC ORGANISMS. DO NOT contaminate an aquatic environment with chemical or empty container. DO NOT spray over, or allow drift to drift over, an aquatic environment. Must not be applied onto or into water. DO NOT allow drift outside the target area to occur. Spray must not be applied in an area where bees are foraging. Toxic to the soil environment. Very toxic to terrestrial vertebrates. Very toxic to terrestrial invertebrates.
Ecological effects information	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
LC ₅₀ 96h fish [mg/l]	Rainbow trout 30.2 ; Bluegill sunfish 17.6
48 H-LC ₅₀ - Daphnia magna [ppm]	2.0
EC ₅₀ 72h Algae [mg/l]	90.4+
On ingredients	See Heading: Information on ingredients.

13) Disposal Considerations:

Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.

14) Transportation Information:

Rail/road (RID/ADR):	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE (DIMETHOATE (ISO), 40%, CYCLOHEXANONE) Class 6.1 Packing group III UN: 3017   
Sea (IMDG code):	ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE (DIMETHOATE (ISO), 40%, CYCLOHEXANONE) Class 6.1 Packing group III UN: 3017   

Air (ICAO/IATA):	<p>ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC, FLAMMABLE (DIMETHOATE (ISO), 40%, CYCLOHEXANONE) Class 6.1 Packing group III UN: 3017</p> 
15) Regulatory Information:	
Approved handlers:	This product must be under the care of an Approved Handler.
Tracking:	Yes.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document