


Safety Data Sheet

Dimezyl® 40EC

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 0841, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adria.nz
Emergency Number: National Poisons and Hazchem Information Centre	0800 734 607 (24hr)3 0800 POISON (0800 764 766)
2) Hazards Identification:	
	
HSNO Classifications:	3.1C, 6.1D (O), 6.4A, 6.8B, 6.9A, 9.1B, 9.2B, 9.3A, 9.4A
Signal Word:	Danger
Hazard Statement Codes:	
H226	Flammable liquid and Vapour.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361	Suspected of damaging fertility or the unborn child.
H370/H372	Causes damage to organs through single, prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H422	Toxic to the soil environment.
H431	Very toxic to terrestrial vertebrates.
H441	Very toxic to terrestrial invertebrates.

Prevention Statement Codes.	
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P201/P202/P281	Obtain special instructions before use (suspected teratogen). Do not handle until all safety precautions have been read and understood. Use personal protection if required.
P264	Wash body thoroughly after handling.
P270	Don't eat, drink or smoke when using this product.
P260/P261	Avoid breathing fume, mist and spray
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves, protective clothing, eye protection and face protection.
P273	Avoid release to the environment.
Response Statement Codes:	
P101	If medical advice is needed, have product container or label at hand.
P303+P361+P353/P302+P352	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water.
P363	Wash all contaminated clothing before reuse.
P370+P378	In case of fire: Use water spray, foam, dry chemical, carbon dioxide, sand for extinction
P301+P312	IF SWALLOWED: Call a poison centre or doctor/physician if you feel unwell.
P330	Rinse mouth.

P333+P313	If skin irritation or rash occurs: Get medical advice/attention.	
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P337+P313	If eye irritation persists: Get medical advice/attention.	
P307+P311/P309+P311/ P308+P313/P314	IF exposed or concerned or if you feel unwell: Call a POISON CENTRE or doctor/physician.	
P391	Collect spillage.	
Storage Statement Codes: P403+P235 P405	Store in a well-ventilated place. Keep cool. Store locked up.	
3) Composition Details:		
Chemical identity:	Dimethoate	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Dimethoate	60-51-5	38.5 – 41.5 %
Aromatic Hydrocarbons: Xylene	1330-20-7	24%
Other ingredients determined not to be hazardous.		34.5 – 37.5%
4) First Aid Measures:		
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:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.	
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.
Hazchem Code:	3W
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 heat/sparks/open flames/hot surfaces. No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. 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.
Handling:	Wear protective clothing as per section 8. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking 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:	Notification is only required for outdoor use, and when used in a wide dispersive manner. The person applying the substance in this situation must: <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: <ol 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).
General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use and wash hands and face before breaks and after work. Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Females of childbearing age should not come into contact with the product. Use personal protection if required.
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):	FLAMMABLE LIQUIDS N.O.S. (DIMETHOATE (ISO), 40%, CYCLOHEXANONE)
Sea (IMDG code):	Class: 3 Packing group III
Air (ICAO/IATA):	UN: 1993, Hazchem Code: 3Y
15) Regulatory Information:	
Approved handlers and Tracking:	This product must be under the care of an approved handler at all times. A record must be kept of the use and disposal of this product. Tracking is required.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.
16) Other Information	
<p>For proper and safe use of this product, please refer to the approval conditions laid down on the product label.</p> <p>The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the product's properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed</p>	