

Material Safety Data Sheet

Diazonyl[®] 60EC

Date of issue: 28th May, 2009

1) Identification of Substance:		
Product name:	Diazonyl 25EC	
Active Ingredient(s):	Diazinon 600 g/L EC.	
ACVM Approval:	P5636	
ERMA Approval:	HSR000184	
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:	3.1D, 6.1D, 6.3B, 6.8B, 6.9A, 9.1A, 9.2D, 9.3A, 9.4A	
Risk and safety phrases:	Harmful if swallowed. Irritating to respiratory system. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.	
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	Irritant. Dizziness. Drowsiness.	
Skin contact	Itch. Redness, pain. May cause skin to become dry or cracked.	
Eye contact	Eye irritant upon direct contact.	
Ingestion	Abdominal pain, nausea. Harmful : may cause lung damage if swallowed.	
3) Composition Details:		
Chemical identity:	Diazinon 600 g/L EC.	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Diazinon	000333-41-5	50-60%
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:	Flush with lukewarm water for 15 minutes. Obtain emergency medical attention if pain, blinking, tears or redness persist.
Ingestion:	DO NOT INDUCE VOMITING. If swallowed, rinse mouth with water (only if the person is conscious).. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
Inhalation:	Assure fresh air breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice.
5) Fire-Fighting Measures:	
Prevention	Keep away from sources of ignition. No naked lights. No smoking.
Specific hazards:	When exposed to heat, may decompose liberating hazardous gases. Carbon dioxide. Carbon monoxide. Sulphur compounds. Phosphorus oxides.
Extinguishing media and methods:	Small fire: Dry chemical. Large fire: Foam. Water spray. Water fog. Do not use a heavy water stream. Surrounding fires: Use water spray or fog for cooling exposed containers.
Recommended protective clothing:	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.
Spill procedures:	Clean up any spills as soon as possible, using an absorbent material to collect it.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
General	Keep away from sources of ignition - No Smoking. Do not breathe vapours.
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:	Keep in fireproof place. Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.

8) Exposure Control / Personal Protection:






Personal Protection	
Industrial hygiene:	Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Respiratory protection:	Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
Eye protection:	Chemical goggles or face shield with safety glasses.
Hand protection:	Wear suitable gloves resistant to chemical penetration.
Skin Protection:	If skin contact or contamination of clothing is likely, protective clothing should be worn.
General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.



9) Physical & Chemical Properties:

Form:	Liquid
Colour:	Blue
Odour:	Characteristic
Melting point/boiling point:	-
Density:	1.02 g/cm ³ , 20°C
Surface tension:	-
pH:	7
Flash point [°C]:	>69
Ignition Temperature: [°C]:	-
Explosive Limits:	N/A
Viscosity:	-
Solubility in water	Emulsion.

10) Stability & Reactivity:

Hazardous decomposition products	According to process conditions, hazardous decomposition products may be generated. Carbon dioxide. Carbon monoxide. Nitrogen oxides. Phosphorus oxides.
Conditions to avoid	Strong acids. Strong oxidizers.

11) Toxicological Information:	
Acute toxicity: - Inhalation	Irritating to respiratory system.
Rat oral LD50 [mg/kg]	No data available.
On ingredients	See Heading: Information on ingredients.
12) Ecological Information:	
Ecological effects information	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Acute fish toxicity:	No Data available.
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):	UN 3018 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (DIAZINON HYDROCARBON-SOLVENTS (AROMATIC)), Class 3 Packing group III UN: 3018  
Sea (IMDG code):	UN 3018 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (DIAZINON HYDROCARBON-SOLVENTS (AROMATIC)), Class 3 Packing group III UN: 3018 Marine Pollutant  

Air (ICAO/IATA):	UN 3018 ORGANOPHOSPHORUS PESTICIDE, LIQUID, TOXIC (DIAZINON HYDROCARBON-SOLVENTS (AROMATIC)), Class 3 Packing group III UN: 3018 Packing Instructions: 611/60L – 618/220L  
15) Regulatory Information:	
Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	Yes.
ACVM controls:	See www.nzfsa.govt.nz/acvm/ for registration conditions.

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