


# Safety Data Sheet

## Equate

Date of issue: 30<sup>th</sup> March, 2011

<b>1) Identification of Substance:</b>		
Product name:	Equate	
Active Ingredient(s):	240g/litre imazethapyr SL	
ACVM Approval:	P7637	
ERMA Approval:	HSR007015	
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250, Auckland Ph: 09-412-9817 Fax: 09-412-9807 <a href="http://www.adriacp.co.nz">www.adriacp.co.nz</a>	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
<b>2) Hazards Identification:</b>		
HSNO Classifications:	6.3B, 6.4A, 6.9A, 9.1A	
Risk and safety phrases:	-	
<b>3) Composition Details:</b>		
Chemical identity:	Imazethapyr	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Imazethapyr	101917-66-2	24.00
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	After contact with skin, wash immediately with soap and water.	
Eye contact:	If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Keep patient calm. Remove to fresh air and seek medical attention.	
Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.	

<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	Specific hazards in a fire: carbon monoxide, hydrogen chloride, nitrogen oxides.
Extinguishing media and methods:	Use water, foam, dry chemical, or carbon dioxide to extinguish fires.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Use protective clothing. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
<b>7) Handling &amp; Storage:</b>	
Handling:	Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.
Storage:	Protect from temperatures above: 40 °C
<b>8) Exposure Control / Personal Protection:</b>	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Safety goggles with side-shields.
Hand protection:	Suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)).
Other protective equipment:	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.
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.

<b>9) Physical &amp; Chemical Properties:</b>	
Form:	Soluble liquid
Colour:	Pale yellow
Odour:	Ammonia
Melting point/boiling point:	> 100 °C
Density:	± 1 050 g/L
Surface tension:	N/A
pH:	9,5
Flash point:	N/A
Ignition Temperature:	N/A
Explosive Limits:	N/A
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Avoid excessive temperatures.
Materials to avoid:	Acts as a mild oxidant in the presence of zinc, brass, aluminium and cold rolled steel.
Hazardous reactions:	No hazardous reactions if stored and handled as prescribed/indicated.
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	LD50 > 5 000 mg/kg (for imazethapyr)
Acute inhalation toxicity:	3.27 mg/L air
Acute dermal toxicity:	LD50 > 2 000 mg/kg (for imazethapyr)
Skin irritation:	Not a skin irritant
Eye irritation:	Reversible eye irritant
Sensitisation:	Should not cause sensitisation under normal use conditions.
<b>12) Ecological Information:</b>	
Acute fish toxicity:	LC50 (96 hr) 420 mg/L bluegill sunfish
Toxicity for daphnia:	LC50 (48 hr) > 1 000 mg/L
Toxicity to algae:	NOEL <i>Selenastrum capricornutum</i> 50 mg/l
<b>13) Disposal Considerations:</b>	
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.
<b>14) Transportation Information:</b>	
Rail/road (RID/ADR):	Not regulated
Sea (IMDG code):	Not regulated
Air (ICAO/IATA):	Not regulated
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler.
ACVM controls:	See <a href="http://www.nzfsa.govt.nz/acvm/">www.nzfsa.govt.nz/acvm/</a> for registration conditions.