


Safety Data Sheet



Diquat 200SL

1) Identification of Substance:	
Product name:	Diquat 200SL
Active Ingredient(s):	200g/L Diquat as the dibromide salt
ACVM Approval:	P8006
EPA Approval:	HSR000446
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 Centre 0800 POISON 0800 764 766
2) Hazards Identification:	
	
HSNO Classifications:	6.1C (I), 6.1D (O), 6.3A, 6.9A, 8.1A, 9.1A, 9.3C
Signal Word	Danger
Hazard Statement Codes:	
H331	Toxic if inhaled.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H370/H372	Causes damage to organs from single, prolonged or repeated exposure.
H335	May cause respiratory irritation.
H290	May be corrosive to metals
H410	Very toxic to aquatic life with long lasting effects.
H433	Harmful to terrestrial vertebrates.

Prevention Statement Codes:	
P102	Keep out of reach of children.
P103	Read label before use.
P260/P261	Do not breathe fumes/mist/vapours or spray.
P271	Use only outdoors or in a well-ventilated area.
P264	Wash entire body thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P234	Keep only in original container.
P273	Avoid release to the environment.
Response Statement Codes:	
P101	If medical advice is needed have product container or label at hand.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P311	Call a POISON CENTRE or doctor/physician.
P301 + P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation/rash occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse.
P307 + P311	IF exposed: Call a POISON CENTRE or doctor/physician.
P314	Get medical advice or attention if you feel unwell.
P391	Absorb spillage to prevent material damage.
Storage Statement Codes:	
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up
P406	Store in corrosive resistant container with a resistant inner liner.

3) Composition Details:		
Chemical identity:	Diquat	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Diquat	85-00-7	17 %
Other ingredients determined not to be hazardous	-	to 100%
4) First Aid Measures:		
General Information:	For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. Obtain medical attention.	
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 or rash develops.	
Eye contact:	Rinse immediately with plenty of water. Rinse mouth. Obtain medical attention if pain, blinking, tears or redness persist.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a POISON CENTRE or a doctor immediately.	
Poisoning symptoms:	Inflammation of the mouth, throat and oesophagus. Gastrointestinal discomfort Diarrhoea	
Notes for medical personnel:	Administer either activated charcoal (100 g for adults or 2 g/kg body weight in children) or Fuller's Earth (15% solution; 1 litre for adults or 15mL/kg body weight in children). NOTE: the use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Eye contact: Severe damage may be caused by apparently trivial contact and healing may be delayed. Medical supervision should continue until complete healing has occurred.	
5) Fire-Fighting Measures:		
Specific hazards:	Hazardous decomposition products. Combustion products are toxic and or irritant.	
Hazchem code:	2X	
Extinguishing media and methods:	Dry chemical extinguisher, foam, carbon dioxide or waterspray (do not use direct jet of water).	
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.	

6) Accidental Release Measures:	
Personal precautions:	Use protective clothing, refer to Section 8). 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 as per Section 8). 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:	Disposal of the absorbed material will depend upon the extent of the spill. Contaminated material must be disposed of in accordance with all local authority requirements. It is suggested: <ul style="list-style-type: none"> • For quantities up to 50 litres of product bury in a secure approved landfill site. • For quantities greater than 50 litres seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established.
7) Handling & Storage:	
Handling:	Use protective clothing as per Section 8). Avoid contact with skin and eyes. Ventilation required.
Storage:	Keep out of reach of children. Store in original container only. Keep away from heat and protect from sunlight. Protect against freezing.
Regulatory requirements / Approved Handlers:	Product must be tracked. Product must be under the care of an Approved Handler.
Store site requirements:	Signage and secondary containment will be required at sites holding 100 litres or more of any product classified as 9.1A (i.e. Diquat 200SL).
8) Exposure Control / Personal Protection:	
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 and wash hands and face before breaks and after work.
9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	Dark brown
Odour:	Characteristic
Melting point/boiling point:	> 100 °C
Density:	1.19g/cm ³

Surface tension:	N/A
pH:	4.1-5.4
Flash point:	n/a
Ignition Temperature:	Not determined
Explosive Limits:	Not determined
Corrosiveness:	Corrosive
Other Data:	
10) Stability & Reactivity:	
Conditions to avoid:	Stable under normal storage conditions
Materials to avoid:	Corrosive to most metals in concentrate form. Not problematic to spray equipment at field rates.
Hazardous reactions:	Not known.
11) Toxicological Information:	
Acute oral toxicity:	LD ₅₀ > 550 mg/kg (rat)
Acute inhalation toxicity:	LC ₅₀ (4hr) 0.64 mg/L (rat)
Acute dermal toxicity:	LD ₅₀ > 5,000 mg/kg (rat)
Skin irritation:	Irritant (rabbit)
Eye irritation:	Irritant.
Sensitisation:	Not expected to cause sensitisation under normal use.
12) Ecological Information:	
Acute fish toxicity:	LC ₅₀ Rainbow trout (96hr) > 100 mg/L
Toxicity for daphnia:	LC ₅₀ (48 hr) = 7 mg/L
Toxicity to algae:	EC ₅₀ (96 hr) = 66 µg/L
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):	CORROSIVE LIQUID, N.O.S. (Diquat 20%) Class 8 Packing group III UN: 1760 Hazchem Code 2X
Sea (IMDG code):	
Air (ICAO/IATA):	

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.

16) Other Information

For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

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