


Safety Data Sheet

Cyrus®

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Cyrus	
Active Ingredient(s):	350g/litre imidacloprid	
ACVM Approval:	P8067	
ERMA Approval:	HSR100355	
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:	6.1D, 6.3B, 6.4A, 6.9B, 9.1A, 9.2A, 9.3A, 9.4A	
Risk and safety phrases:	R22: Harmful if swallowed. R50 Very toxic to aquatic organisms. S24-37: Avoid contact with skin. Wear suitable gloves.	
3) Composition Details:		
Chemical identity:	Imidacloprid	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Imidacloprid	138261-41-3	35.00
4) First Aid Measures:		
General Information:		
Skin contact:	Wash immediately with soap and water. Do not rub skin.	
Eye contact:	Flush eyes immediately and continue for at least 15 minutes. Seek medical attention.	
Ingestion:	Do NOT induce vomiting if swallowed. Administer medicinal charcoal in a large quantity of water. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or seek medical attention immediately.	
Inhalation:	Remove to fresh air while keeping patient calm. Seek medical attention.	
Further Information:	Treatment: No known specific antidote. Treat symptomatically.	

5) Fire-Fighting Measures:	
Specific hazards:	Products of combustion are toxic and or irritants. Specific hazards in a fire: Hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides.
Extinguishing media and methods:	Use water (not direct jet), foam, dry chemical, carbon dioxide or sand to extinguish fires.
Recommended protective clothing:	Wear Self contained breathing apparatus and appropriate chemical-protective clothing.
6) Accidental Release Measures:	
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 damp cloth and dispose in suitable waste containers.
Disposal procedures:	Dispose of waste safely, according to local council regulations.
7) Handling & Storage:	
Handling:	Avoid contact with skin and eyes. Ensure proper ventilation.
Storage:	Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds and sources of ignition. Protect from extreme temperatures. Protect from temperatures above: 40 °C
8) Exposure Control / Personal Protection:	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Use particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Wear safety goggles with side-shields.
Hand protection:	Wear 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. Clean protective gear and contaminated equipment with soap or soda solution.

9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	White
Odour:	Characteristic
Melting point/boiling point:	> 180°C
Density:	+/- 1.15 g/cm ³ at 20 °C
Surface tension:	-
pH:	7.1
Flash point:	No flash until ≥ 100 °C Not determinable due to boiling at higher temperatures.
Ignition Temperature:	> 400 °C
Explosive Limits:	Not explosive
10) Stability & Reactivity:	
Conditions to avoid:	Avoid intense heat. Keep away from foodstuffs, acids and alkalis.
Materials to avoid:	None under normal conditions. Poisonous fumes may be released during fire.
Hazardous reactions:	None.
11) Toxicological Information:	
Acute oral toxicity:	LD ₅₀ , rat (male): 750 mg/kg, (female): 1020 mg/kg.
Acute inhalation toxicity:	LC ₅₀ , rat (4h): > 5.5 mg/L.
Acute dermal toxicity:	LD ₅₀ , rat: > 5000 mg/kg.
Skin irritation:	Non irritant (rabbit).
Eye irritation:	Non irritant (rabbit).
Sensitisation:	Non-sensitiser (guinea pig).
12) Ecological Information:	
Acute fish toxicity:	LD ₅₀ (96 h): 210 mg/l rainbow trout (Salmo gairdneri) LD ₅₀ (96 h): 280 mg/l carp (Cyprinus carpio)
Toxicity for daphnia:	EC ₅₀ (48 h): 0,055 mg/l Hyalella azteca EC ₅₀ (48 h): 85 mg/l Water flea
Toxicity to algae:	EC ₅₀ (72 h): > 100 mg/l green alga (Pseudokirchneriella subcapitata)
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):

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(IMIDACLOPRID)
CLASS 9, UN 3082, PACKING GROUP III,
HAZCHEM CODE 2X.



Sea (IMDG code):

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(IMIDACLOPRID)
CLASS 9, UN 3082, PACKING GROUP III,
HAZCHEM CODE 2X.
MARINE POLLUTANT



Air (ICAO/IATA):

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID, N.O.S.
(IMIDACLOPRID)
CLASS 9, UN 3082, PACKING GROUP III,
HAZCHEM CODE 2X.



15) Regulatory Information:

Approved handlers:

This product must be under the care of an approved handler.

ACVM controls:

See www.nzfsa.govt.nz/acvm/ for registration conditions.