

# Safety Data Sheet

## Solvo<sup>®</sup> 360CS

Date of issue: 18<sup>th</sup> July, 2014

<b>1) Identification of Substance:</b>		
Product name:	Solvo 360CS	
Active Ingredient(s):	360g/litre clomazone	
ACVM Approval:	P8525	
EPA Approval Code:	HSR100704	
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:	3.1D, 6.1E, 6.5A, 6.5B, 9.1B, 9.2A, 9.3C	
Risk and safety phrases:		
<b>3) Composition Details:</b>		
Chemical identity:	Clomazone	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (w/v)
Clomazone	81777-89-1	36%
<b>4) First Aid Measures:</b>		
General Information:		
Skin contact:	Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. Seek medical attention immediately.	
Eye contact:	Flush eyes immediately and continue for at least 15 minutes. Seek medical attention.	
Ingestion:	Do NOT induce vomiting if swallowed. Seek medical attention immediately. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766).	
Inhalation:	Remove patient to fresh air. Lie down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance soon if irritation persists.	

Treatment:	This product has low oral, dermal and inhalation toxicity. It is moderately irritating to the eyes and slightly irritating to the skin. Direct contact with eyes may produce corneal damage, especially if not washed out immediately. Vomiting is not recommended, and lavage requires intubation. Activated charcoal and cathartics will assist gastrointestinal tract evacuation.
<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
HAZCHEM Code:	3[Y]
Extinguishing media and methods:	Extinguish warehouse and factory fires using dry chemical extinguisher, alcohol-resistant foam, carbon dioxide.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
<b>6) Accidental Release Measures:</b>	
Personal precautions:	Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately. Wash contaminated clothing before re-use.
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:	Use protective clothing. Ensure adequate ventilation. Cleaning water should be disposed of in appropriate manner.
Storage:	Store in original container tightly closed and in a locked, cool, dry, ventilated area away from foodstuffs, fertilisers and seeds. Protect from extreme temperatures. Keep out of reach of children.
<b>8) Exposure Control / Personal Protection:</b>	
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:	Avoid contact with skin and eyes and inhalation of dust from concentrate or spray mist. When mixing or applying, wear protective clothing, including face shield, impervious gloves and footwear. If clothing becomes contaminated with product, remove clothing immediately. DO NOT eat, drink or smoke while using. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash protective clothing daily after work.
<b>9) Physical &amp; Chemical Properties:</b>	
Form:	liquid
Colour:	Brown
Odour:	Characteristic
Melting point/boiling point:	na
Density:	1.080
Surface tension:	na
pH:	10.5
Flash point:	>93°C
Ignition Temperature:	na
Explosive Limits:	na
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Heat and light.
Materials to avoid:	None known.
Hazardous reactions:	None known.
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	LD <sub>50</sub> : > 2,000 mg/kg (rat).
Acute inhalation toxicity:	4 h LD <sub>50</sub> : >12 mg/L (4h)
Acute dermal toxicity:	LD <sub>50</sub> : > 2,000 mg/kg (rabbit).
Skin irritation:	Non irritant, rabbit
Eye irritation:	Non irritant, rabbit
Sensitisation:	Not a sensitiser, guinea pig.
<b>12) Ecological Information:</b>	
Acute fish toxicity:	LC <sub>50</sub> (96 h) for bluegill sunfish 34, Atlantic silverside 6.26, rainbow trout 19 mg/l.
Toxicity for daphnia:	LC <sub>50</sub> (48 h): 5.2 mg/l.
Toxicity to algae:	EC <sub>50</sub> (48 h): 2.10 mg/l
<b>13) Disposal Considerations:</b>	
Disposal:	Triple rinse packaging and add residue to spray tank. Take empty container to an AgRecovery depot 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):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clomazone) Class 9 Packing group III UN: 3082  
Sea (IMDG code):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clomazone) Class 9 Packing group III UN: 3082  
Air (ICAO/IATA):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Clomazone) Class 9 Packing group III UN: 3082  
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler during wide dispersive use or when used by a commercial contractor.
Tracking:	No.
ACVM controls:	See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions.

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