


# Safety Data Sheet




## Solstar<sup>®</sup>

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

<b>1) Identification of Substance:</b>		
Product name:	Solstar	
Active Ingredient(s):	200g/L fluroxypyr	
ACVM Approval:	P7900	
ERMA Approval:	HSR008012	
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, 6.3B, 6.4A, 9.1A, 9.2A	
Risk and safety phrases:		
<b>3) Composition Details:</b>		
Chemical identity:	Fluroxypyr	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Fluroxypyr-meptyl	081406-37-3	20 % (acid equivalent)
Aromatic solvent	64742-94-5	> 50 %
<b>4) First Aid Measures:</b>		
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:	Rinse immediately with plenty of water. 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:	Assure fresh air breathing. Rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice.	

Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.
<b>5) Fire-Fighting Measures:</b>	
Specific hazards:	Hazardous decomposition products.
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.
<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:	Keep away from heat and protect from sunlight. Protect against freezing.
<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:	Liquid
Colour:	Light brown
Odour:	Characteristic
Melting point/boiling point:	> 100 °C
Density:	± 990 g/L
Surface tension:	N/A
pH:	± 6,5
Flash point:	± 65 °C
Ignition Temperature:	Not established
Explosive Limits:	Not established
Viscosity:	N/A
Other Data:	
<b>10) Stability &amp; Reactivity:</b>	
Conditions to avoid:	Temperature extremes
Materials to avoid:	Strong oxidising agents, acids and alkalis
Hazardous reactions:	In fire, hydrogen cyanide, carbon monoxide and other asphyxiants may be formed.
<b>11) Toxicological Information:</b>	
Acute oral toxicity:	> 5 000 mg/kg
Acute inhalation toxicity:	Moderate irritant
Acute dermal toxicity:	> 2 000 mg/kg
Skin irritation:	Not considered at irritant
Eye irritation:	Moderate eye irritant
Sensitisation:	Not considered a sensitiser
<b>12) Ecological Information:</b>	
Acute fish toxicity:	LC <sub>50</sub> (96 h) for rainbow trout > 100 mg/L
Toxicity for daphnia:	LC <sub>50</sub> (48 h) > 100 mg/L
Toxicity to algae:	EC <sub>50</sub> (96 h) for green algae > 100 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):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluroxypyr) Class 9 Packing group III UN: 3082</p> 
Sea (IMDG code):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluroxypyr) Class 9 Packing group III UN: 3082 MARINE POLLUTANT</p> 
Air (ICAO/IATA):	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluroxypyr) Class 9 Packing group III UN: 3082</p> 
<b>15) Regulatory Information:</b>	
Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	-
ACVM controls:	See <a href="http://www.nzfsa.govt.nz/acvm/">www.nzfsa.govt.nz/acvm/</a> for registration conditions.