

Safety Data Sheet

Sovrin Flo

 Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Sovrin Flo	
Active Ingredient(s):	500g/litre dimethomorph	
ACVM Approval:	P7475	
ERMA Approval:	HSR06034	
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:		
Hazard classification:	Not classified according to Hazardous Substance Regulations 2001.	
HSNO Classifications:	6.9B, 9.1B	
Risk and safety phrases:	R36, R51.	
3) Composition Details:		
Chemical identity:		
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Dimethomorph	110488-70-5	50%
Other non-hazardous ingredients		10%
Water		Balance
4) First Aid Measures:		
General Information:		
Skin contact:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Do not scrub the skin.	
Eye contact:	If splashed in eyes, wash out immediately with water.	
Ingestion:	If swallowed, do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor immediately.	
Inhalation:	Remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.	

5) Fire-Fighting Measures:	
Specific hazards:	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.
Extinguishing media and methods:	Not combustible. Use extinguishing media suited to burning materials.
Recommended protective clothing:	Full turnout gear and SCBA.
6) Accidental Release Measures:	
Personal precautions:	Ventilation, gloves, protective clothing, face shield. Avoid inhalation of spray mist.
Environmental precautions:	Prevent spillage into the soil or aquatic environment.
Spill procedures:	Contain and collect spillage with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth. Place in container for disposal according to local regulations.
Disposal procedures:	Triple rinse containers and add residue to spray tank. Burn empty container if circumstances, especially wind direction permit, otherwise crush and bury in landfill.
7) Handling & Storage:	
Handling:	Thoroughly wash hands after work, before eating or smoking. Do not eat, drink or smoke during work. Avoid contact with skin, eyes and clothes. Do not breathe vapour or spray.
Storage:	Store securely out of reach of children. Store in a cool, dry area, out of direct sunlight (storage temperature should not exceed 38°C). When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of the product that is older than this.
8) Exposure Control / Personal Protection:	
Engineering measures:	No exposure limits established.
Respiratory protection:	In case of spray: ventilation, local exhaust or breathing protection (Filter respirator).
Eye protection:	Safety goggles.
Hand protection:	Gloves (nitrile or similar), protective clothing.
Other protective equipment:	
Hygiene measures:	Thoroughly wash hands after work, before eating or smoking.

9) Physical & Chemical Properties:	
Form:	White viscous liquid
Colour:	Beige
Odour:	Characteristic
Melting point/boiling point:	Approx. 100 °C at 100kPa
Density:	1.12 g/litre
Surface tension:	Not established
pH:	7.5 (typical)
Flash point:	Not applicable
Ignition Temperature:	n/a
Explosive Limits:	Not explosive
10) Stability & Reactivity:	
Conditions to avoid:	Temperature extremes
Materials to avoid:	None known at time of publishing
Hazardous reactions:	None known at time of publishing
11) Toxicological Information:	
Acute oral toxicity:	Dimethomorph is only slightly toxic to mammals. The LD50 is 3900 mg/kg for rats, 5000 mg/kg for male mice, and 3700 mg/kg for female mice. The LD50 for rats whose skin is exposed to dimethomorph is greater than 2000 mg/kg.
Acute inhalation toxicity:	The concentration of Dimethomorph in air which is fatal to half of the animals tested is greater than 4.24 mg/l air for rats.
Acute dermal toxicity:	Dimethomorph is non-irritating to rabbit eyes and skin. It is non-sensitizing to guinea pigs' skin.
Skin irritation:	Prolonged contact may cause slight irritation
Eye irritation:	May cause slight irritation
Sensitisation:	Not a skin sensitiser
12) Ecological Information:	
Acute fish toxicity:	Dimethomorph is moderately toxic to fish. The concentration in water that killed half of the animals tested, LC50 (96 hrs), is 6.8 mg/l for Rainbow trout, 18 mg/kg for Carp and greater than 14 mg/l for Bluegill sunfish.
Toxicity for daphnia:	-
Toxicity to algae:	Dimethomorph is slightly toxic to aquatic invertebrates , algae and bacteria.
13) Disposal Considerations:	
Disposal:	Triple rinse containers and add residue to spray tank. Burn empty container if circumstances, especially wind direction permit, otherwise crush and bury in landfill. Avoid contamination of any water supply.
14) Transportation Information:	
Rail/road (RID/ADR):	N/A
Sea (IMDG code):	N/A
Air (ICAO/IATA):	N/A