

Safety Data Sheet

Metriphar[®] 48SC

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Metriphar 48SC	
Active Ingredient(s):	Metribuzin 480 g/l.	
ACVM Approval:	P005582	
ERMA Approval:	HSR000533	
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, 6.5B, 6.9B, 9.1A, 9.2A, 9.3B	
Symptoms relating to use		
- Inhalation	May be fatal if inhaled.	
- Skin contact	Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.	
- Aggravating conditions	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.	
3) Composition Details:		
Chemical identity:	Metribuzin	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Metribuzin	21087-64-9	50
4) First Aid Measures:		
General Information:		
Skin contact:	Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.	
Eye contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.	


Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
5) Fire-Fighting Measures:	
Extinguishing media	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Hazardous thermal (de)composition products	Carbon oxides (CO, CO ₂) nitrogen oxides (NO, NO ₂ ...) sulphur oxides (SO ₂ , SO ₃ ...)...
Protection of fire-fighters	Be sure to use an approved/certified respirator or equivalent.
Special fire-fighting procedures	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
6) Accidental Release Measures:	
Personal precautions:	Splash goggles. Full suit. Vapour respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Environmental precautions & cleanup methods	Poisonous liquid. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.
7) Handling & Storage:	
General	No naked lights. No smoking.
Handling:	Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store only in original container.
8) Exposure Control / Personal Protection:	
Engineering measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Hygiene measures	Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Personal protection	
- Respiratory protection	Vapour respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
- Hand protection	Gloves.
- Skin and body protection	Lab coat.
- Eye protection	Safety glasses.
9) Physical & Chemical Properties:	
Physical state at 20 °C:	Liquid
Colour:	Beige
Odour:	Not available
Melting point/boiling point:	-
Density:	1.145 g/cm ³ at 20°C
Surface tension [mN/m]:	-
pH:	6.8
Flash point [°C]:	-
Ignition Temperature: [°C]:	-
Explosive Limits:	-
Viscosity:	Dynamic: 790 cPs
Solubility in water	Easily soluble in cold water, acetone. Soluble in methanol.
10) Stability & Reactivity:	
Stability	This product is stable.
Hazardous decomposition products	Carbon oxides (CO, CO ₂) nitrogen oxides (NO, NO ₂ ...) sulphur oxides (SO ₂ , SO ₃ ...).
11) Toxicological Information:	
Local Effects - Ocular	Non-irritating to the eyes.
Acute toxicity	Acute oral toxicity (LD ₅₀): 2000 mg/kg [Rat]. (Metribuzin). Acute dermal toxicity (LD ₅₀): >2000 mg/kg [Rat]. (Solvent.).
Chronic toxicity	Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

12) Ecological Information:

Ecological effects information	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
48 H-LC50 - Daphnia magna [ppm]	4.5 to 35 mg/l
IC50 72h Algae [mg/l]	0.021 mg/l

13) Disposal Considerations:

Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
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Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.
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14) Transportation Information:

Rail/road (RID/ADR):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (METRIBUZIN), N.O.S Class: 9 Packaging Group III UN: 3082
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Sea (IMDG code):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (METRIBUZIN), N.O.S Class: 9 Packaging Group III UN: 3082 Marine Pollutant
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Air (ICAO/IATA):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (METRIBUZIN), N.O.S Class: 9 Packaging Group III UN: 3082
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15) Regulatory Information:

Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	No.
ACVM controls:	See www.nzfsa.govt.nz/acvm/ for registration conditions.

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