

Safety Data Sheet

Sulfolac[®] 80WG

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Sulfolac 80WG	
Active Ingredient(s):	Sulphur	
ACVM Approval:	P7019	
ERMA Approval:	HSR000741	
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:	6.4A, 9.1D	
Information pertaining to particular dangers for man and environment	ECOTOXIC	
Classification system	The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.	
3) Composition Details:		
Chemical identity:	Sulphur	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Sulphur	7704-34-9	80
4) First Aid Measures:		
General Information:		
General information	Personal protection for the First Aider. Instantly remove any clothing soiled by the product.	
After inhalation	Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness bring patient into stable side position for transport.	
After skin contact	Instantly wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.	

After swallowing	Rinse out mouth and then drink plenty of water. Do not induce vomiting; instantly call for medical help. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.
After eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
Note to Physician:	The following symptoms may occur: Gastric or intestinal trouble
Treatment	Elemental assistance. Treat symptomatically and supportively.
5) Fire-Fighting Measures:	
Suitable extinguishing media	CO2, extinguishing powder or water fog. Fight larger fires with water fog or alcohol-resistant foam.
Unsuitable extinguishing agents	Water with a full water jet.
Special hazards caused by the material, its products of combustion or flue gases	Formation of toxic and corrosive gases during heating or in case of fire. Can be released in case of fire: Sulphur oxides (SOx).
Protective equipment	Wear self-contained breathing apparatus. Wear full protective suit.
Additional information	Collect contaminated fire fighting water separately. It must not enter drains.
6) Accidental Release Measures:	
<i>Personal precautions:</i>	<i>Wear protective equipment. Keep unprotected persons away. Use breathing protection against the effects of fumes/dust/aerosol. Keep away from ignition sources Avoid causing dust. Ensure adequate ventilation Bring persons out of danger.</i>
<i>Environmental precautions</i>	<i>Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.</i>
<i>Clean up methods</i>	<i>Ensure adequate ventilation. Collect mechanically. Clean up affected area. May be recycled or disposed of in appropriate containers.</i>
7) Handling & Storage:	
Handling Information for safe handling	Keep containers tightly sealed. WARNING: MAY CAUSE EYE IRRITATION. Prevent formation of dust. Ensure good ventilation/exhaustion at the workplace. Restrict the quantity stored in the work place.

Information about protection against explosions and fires	Dust can combine with air to form an explosive mixture. Protect from heat. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
<p><u>Storage</u> Requirements to be met by storerooms and containers</p> <p>Information about storage in one common storage facility</p> <p>Further information about storage conditions</p> <p>Recommended storage temperature:</p>	<p>Store in cool location. Store possibly in the original container.</p> <p>Keep away from foodstuffs. Together with materials/products do not camp down which can lead with the material/product to dangerous chemical reactions.</p> <p>Store in cool, dry conditions in well sealed containers. Protect from heat and direct sunlight. Protect from humidity and keep away from water. Protect from the effects of light. Store in a locked cabinet and out of the reach of children.</p> <p>+5 - < +30°C</p>
8) Exposure Control / Personal Protection:	
Components with critical values that require monitoring at the workplace	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information	The lists that were valid during the compilation were used as basis.
<p><u>Personal protection</u> General protective and hygienic measures</p> <p>Breathing equipment</p> <p>Protection of hands</p>	<p>Instantly remove any soiled and impregnated garments. Keep away from foodstuffs, beverages and food. Wash hands during breaks and at the end of the work. Do not inhale dust / smoke / mist. WARNING: MAY CAUSE EYE IRRITATION. Avoid contact with the eyes and skin. Do not eat, drink or smoke while working Use breathing protection in case of insufficient ventilation. In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air. Filter P2. Chemical-protective gloves. To avoid skin problems reduce the wearing of gloves to the required minimum. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Check protective gloves prior to each use for their proper condition.</p>

Material of gloves	Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Preventive skin protection by use of skin-protecting agents is recommended.
Penetration time of glove material	No material can be recommended. Experience says that polychloroprene, nitrile rubber, butylrubber, fluoro-caoutchouc, and polyvinyl chloride are suitable as glove materials for protection against undissolved solids. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Consult with the manufacturer.
Not suitable are gloves made of the following materials	Leather glove. Strong gloves.
Eye protection	Safety glasses
Body protection	Impervious protective clothing

9) Physical & Chemical Properties:

Physical state at 20 °C:	Powder
Colour:	Yellowish
Odour:	Recognizable
Boiling point:	445°C
Density:	Not determined
Steam pressure at 20°C:	0 hPa
pH-value at 20°C:	5 +/- 1
Flash point [°C]:	168°C (molten sulphur)
Ignition Temperature: [°C]:	260°C
Settled apparent density at 20°C	WP ~800 WG ~900 kg/m3
Viscosity:	Dynamic: 790 cPs
Solubility in / Miscibility with Water:	Dispersible.

10) Stability & Reactivity:

Conditions to be avoided	No decomposition if used according to specifications. To avoid thermal decomposition do not overheat.
Dangerous reactions	The product is not capable of dust explosion in the form supplied; enrichment with fine dust causes risk of dust explosion. Reacts with strong oxidizing agents. Explosive.

Dangerous products of composition	Poisonous gases/vapours Corrosive gases/vapours Can be released in case of fire Sulphur oxides (SOx)
11) Toxicological Information:	
<u>Acute toxicity</u> Primary irritant effect: on the skin on the eye Sensitization Additional toxicological information	Irritation possible Irritation possible No sensitizing effect known. The toxicological properties of this material have not been fully investigated. Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.
12) Ecological Information:	
Ecological effects information	VERY TOXIC TO AQUATIC LIFE WITH LONG-LASTING EFFECTS.
Fish toxicity LC50 (brachydanio rerio):	866 mg/l/96h
Daphnia toxicity EC0 (Daphnia magna)	> 10 g/l/24h
Remark	Sulphur dioxide and sulphurous acid: 1 mg/l lethal for fish.
General notes	Do not allow product to reach ground water, water bodies or sewage system.
13) Disposal Considerations:	
Disposal:	Dispose of empty packaging safely. Burn, if circumstances, especially wind direction permit, otherwise bury in landfill. Avoid contamination of any water supply with chemical or empty packaging.
14) Transportation Information:	
Rail/road (RID/ADR):	Not Classified
Sea (IMDG code):	Not Classified
Air (ICAO/IATA):	Not Classified
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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