

## SAFETY DATA SHEET

### Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	<b>TALON<sup>®</sup> RODENTICIDE Wax Blocks</b>
<b>Other Names:</b>	<b>Product code: A12720B</b>
<b>Recommended Use:</b>	Rodenticide
<b>Company Details:</b>	<b>Syngenta Crop Protection Pty Limited</b> ABN 33 002 933 717
<b>Address:</b>	<b>Level 1, 2-4 Lyonpark Road</b> <b>MACQUARIE PARK NSW 2113</b> <b>AUSTRALIA</b>
<b>Telephone Number:</b>	<b>(02) 8876 8444</b>
<b>Emergency Telephone Number:</b>	<b>24 hours - 1800 033 111</b>

### Section 2: HAZARDS IDENTIFICATION

<b>Hazard Classification:</b>	Classified as hazardous according to the criteria of NOHSC
<b>Risk Phrases:</b>	None allocated
<b>Safety Phrases:</b>	--

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

<b>SUBSTANCE</b>	
<b>Chemical Identity of Pure Substance:</b>	Brodifacoum
<b>Synonym:</b>	PP581
<b>CAS Number:</b>	56073-10-0

<b>MIXTURE</b>		
<b>Chemical Identity of Ingredients</b>	<b>CAS No</b>	<b>Proportion (% w/w)</b>
brodifacoum	56073-10-0	0.005
Other ingredients determined not to be hazardous	--	To 100

## Section 4: FIRST AID MEASURES

<b>Description of Necessary First Aid Measures:</b>	<p>If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126. Vitamin K1 (Phytomenadione) is antidotal.</p> <p><b>Swallowed:</b> If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.</p> <p><b>Eye:</b> Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.</p> <p><b>Skin:</b> Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.</p> <p><b>Inhaled:</b> Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician or Poison Control Centre immediately..</p>
<b>Poisoning Symptoms:</b>	<p>Symptoms of poisoning are typical of anticoagulants. In severe cases there may be bruising, haematomas of the joints, blood in the faeces and urine. An antidote, Vitamin K1 (phytomenadione BP), should only be administered under the direction of a doctor who has access to a hospital laboratory. Doctors should refer to the leaflet 'The treatment of Anticoagulant Rodenticide Poisoning', 1988.</p>
<b>Medical Advice:</b>	<p><b>NOTE TO PHYSICIANS AND VETERINARIANS</b></p> <p>Brodifacoum, the active constituent of TALON Pellets, is a long lasting anticoagulant chemical, which if ingested by humans, domestic animals or pets, can reduce the clotting power of the blood and haemorrhage may result. Vitamin K1 (Phytomenadione) should be administered urgently by medical, appropriate para-medical personnel or veterinarians. If administered intravenously the injection must be given slowly</p>

## Section 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	<p><i>Extinguishing media - small fires</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguisher. DO NOT use direct jet of water.</p> <p><i>Extinguishing media - large fires</i> Use alcohol-resistant foam or water spray. DO NOT use direct jet of water.</p>
<b>Hazards from Combustion Products:</b>	<p>This product contains cracked wheat that may burn and produce white wood-fire like smoke.</p>
<b>Special Protective Precautions and Equipment for Fire Fighters:</b>	<p>When fighting a major fire wear self-contained breathing apparatus and protective equipment.</p>

## Section 6: ACCIDENTIAL RELEASE MEASURES

<b>Emergency Procedures:</b>	In case of spillage it is important to take all steps necessary to <ul style="list-style-type: none"><li>• Avoid eye and skin contact.</li><li>• Avoid contamination of waterways</li></ul>
<b>Methods and Materials for Containment and Clean Up:</b>	<ol style="list-style-type: none"><li>1) Keep all bystanders away.</li><li>2) Wear full-length clothing and PVC gloves.</li><li>3) Reposition any leaking containers so as to minimise further leakage.</li><li>4) <b>For a product spill:</b> Sweep powder concentrate into a pile.</li><li>5) <b>For a prepared spray spill:</b> Dam and absorb spill with an absorbent material (e.g. sand or soil)</li><li>6) Shovel the absorbed material or powder concentrate into drums.</li><li>7) Decontaminate the spill area with detergent and water and rinse with water</li></ol>

## Section 7: HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Poisonous if swallowed. Do not inhale dust. Do not touch bait - use scoop or measure. If on skin and after each baiting, wash thoroughly with soap and water. Wash hands after use.
<b>Conditions for Safe Storage:</b>	Containers which have held bait should not be used for any other purpose. Store in the closed original container in a dry place out of the reach of children. Do not store in direct sunlight.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

<b>National Exposure Standards:</b>	No official exposure standards have been set for any ingredients of this product.
<b>Syngenta Exposure Standards:</b>	Brodifacoum 8 hr TWA 0.002 mg/m <sup>3</sup>
<b>Biological Limit Values:</b>	No biological limit allocated
<b>Engineering Controls:</b>	No special controls needed. Product is used outdoors
<b>Personal Protective Equipment:</b>	Only use protective equipment bearing the mark of the Standards Association of Australia.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid blue wax block	<b>Boiling Point/Range:</b>	Not Applicable
<b>Odour:</b>	No odour	<b>Melting Point:</b>	Not available
<b>pH:</b>	Not applicable	<b>Solubility in water</b>	Not soluble
<b>Vapour Pressure:</b>	Not available	<b>Specific Gravity or Density:</b>	0.6 - 0.7 g/ml

<b>Flash point:</b>	> 176 °C (paraffin wax) Method: PMCC	<b>Explosive properties:</b>	Not explosive
<b>Upper and Lower Flammable (Explosive) Limits in Air:</b>	not highly flammable	<b>Oxidising properties:</b>	Not oxidising
<b>Ignition Temperature:</b>	Not available	<b>Combustibility:</b>	Combustible C2
		<b>Corrosiveness:</b>	Not corrosive

## Section 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable under standard conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products</b>	Combustion or thermal decomposition will evolve smoke and toxic and irritant vapours.
<b>Hazardous Reactions:</b>	None known.

## Section 11: TOXICOLOGICAL INFORMATION

<b>Health Effects from Likely Routes of Exposure:</b>	
<b>Acute:</b>	<p><b>Swallowing:</b> <b>LOW TOXICITY</b> LD<sub>50</sub> (rats) &gt; 5,000 mg/kg (derived from components)</p> <p><b>Skin contact:</b> <b>LOW TOXICITY</b> LD<sub>50</sub> (rats) &gt; 5,000 mg/kg (derived from components)</p> <p><b>NOT IRRITANT (Rabbit)</b></p> <p><b>NOT A SKIN SENSITISER</b></p> <p><b>Eye contact:</b> <b>NOT IRRITANT (Rabbit)</b></p> <p><b>Inhalation:</b> <b>Inhalation is not a likely route of exposure.</b></p>
<b>Chronic :</b>	No long term risks to man are associated with this material when handled and used as directed on the label.

## Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	<b>Slightly toxic to fish</b> LC <sub>50</sub> Rainbow trout, >100 mg/l , 96 h, Derived from study results with brodifacoum.
	<b>Practically non toxic to aquatic invertebrates</b> LC <sub>50</sub> / EC <sub>50</sub> (48 h) = >100 mg/l ( <i>Daphnia magna</i> (water flea))
	<b>Practically non-toxic to soil dwelling organisms</b> LC <sub>50</sub> (14 d) = >1000 mg/kg soil ( <i>Eisenia foetida</i> )
	<b>Practically non-toxic to bees</b>
<b>Persistence and Degradability:</b>	Brodifacoum is practically insoluble in water. Slow degradation in soil
<b>Mobility</b>	Brodifacoum has low mobility in soil.
<b>Environmental Fate (Exposure):</b>	Incorporated into organic molecules
<b>Bioaccumulative Potential:</b>	Brodifacoum has low potential for bioaccumulation

## Section 13: DISPOSAL CONSIDERATIONS

<b>Disposal Methods and Containers:</b>	Dispose of empty container, used bait stations and spilt bait by wrapping in paper, placing in plastic bag and putting in garbage
<b>Special Precautions for Landfill or Incineration:</b>	Not applicable

## Section 14: TRANSPORT INFORMATION

<b>LAND TRANSPORT</b> ADG	<b>Not a dangerous good</b>		
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated	<b>Marine Pollutant:</b>	None allocated

<b>SEA TRANSPORT</b> IMDG	<b>Not a dangerous good</b>		
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated	<b>Marine Pollutant:</b>	None allocated

<b>AIR TRANSPORT</b> IATA-DGR		<b>Not a dangerous good</b>	
<b>UN Number:</b>	None allocated	<b>Packing Group:</b>	None allocated
<b>UN Proper Shipping Name:</b>	None allocated	<b>Special Precautions for User:</b>	None allocated
<b>Class:</b>	None allocated	<b>Hazchem Code:</b>	None allocated
<b>Subsidiary Risk:</b>	None allocated	<b>Marine Pollutant:</b>	None allocated

**Section 15: REGULATORY INFORMATION**

<b>APVMA Product Number:</b>	52675
<b>Poisons Schedule (SUSDP):</b>	6 - POISON

**Section 16: OTHER INFORMATION**

<b>Date of preparation or last revision:</b> September 2007
<b>Source of Data:</b> The information provided in this SDS is sourced from Syngenta internal studies which have been conducted according to Regulatory requirements including OECD and CIPAC Guidelines and EC Directives. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.
<b>Note:</b> This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions
<b>CONTACT POINT:</b> Regulatory Affairs Manager, Syngenta Crop Protection Pty Limited (02) 8876 8444  <b>24 HOURS EMERGENCY CONTACT: 1800 033 111</b>
This Material Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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