

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	CONCEP® II Sorghum Seed Safener
Other Names:	Product code: A6597B
Recommended Use:	Seed treatment for application to sorghum seed to protect emerging sorghum plants from the phytotoxic effects of Dual Gold® Herbicide and Primextra Gold® Herbicide
Company Details:	Syngenta Crop Protection Pty Limited ABN 33 002 933 717
Address:	Level 1, 2-4 Lyonpark Road MACQUARIE PARK NSW 2113 AUSTRALIA
Telephone Number:	(02) 8876 8444
Emergency Telephone Number:	24 hours - 1800 033 111

Section 2: HAZARDS IDENTIFICATION

Hazard Classification:	Not classified as a hazardous chemical according to the Australian criteria for the classification of chemicals
Risk Phrases:	–
Safety Phrases:	–

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	
Chemical Identity of Pure Substance:	oxabetrinil
Synonym:	CGA92194
CAS Number:	74782-23-3

MIXTURE		
Chemical Identity of Ingredients	CAS No	Proportion (% w/w)
oxabetrinil	74782-23-3	50
kaolin	1332-58-7	10 - 30
naphthalene sulfonic acid, sodium salt	25638-17-39	1 - 5
other ingredients determined not to be hazardous	-	to 100

Section 4: FIRST AID MEASURES

Description of Necessary First Aid Measures:	<p>In case of poisoning by any exposure route contact a doctor or Poisons Information Centre on 131 126. Have the product label or SDS with you when calling or going for treatment.</p> <p>Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting.</p> <p>Eye contact: 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>Skin contact: 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>Inhalation: Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a doctor or Poisons Information Centre immediately.</p>
Poisoning Symptoms:	Poisoning symptoms in laboratory animals were non-specific
Medical Advice:	There is no specific antidote available. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	<p><i>Extinguishing media - small fires</i> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.</p> <p><i>Extinguishing media - large fires</i> Use water spray or alcohol-resistant foam.</p> <p>Do not use a solid water stream as it may scatter and spread fire.</p>
Hazards from Combustion Products:	<p>As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health.</p>
Special Protective Precautions and Equipment for Fire Fighters:	<p>In the event of fire, wear self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.</p>

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	In case of spillage it is important to take all steps necessary to: <ul style="list-style-type: none"> • Avoid eye and skin contact • Avoid contamination of waterways
Methods and Materials for Containment and Clean Up:	<p>Procedure for spill:</p> <ol style="list-style-type: none"> (1) Keep all bystanders away. (2) Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves. (3) Reposition any leaking containers so as to minimise further leakage. (4) For a product spill: Sweep powder concentrates into a pile. For a prepared spray spill: Dam and absorb spill with an absorbent material (e.g. sand or soil). (5) Shovel the absorbed spill into drums. (6) Disposal of the absorbed material will depend upon the extent of the spill. <ul style="list-style-type: none"> • For quantities up to 50 kg of product bury in a secure landfill site. • For quantities greater than 50 kg seek advice (use emergency contact number below) from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established. (7) Decontaminate the spill area with detergent and water and rinse with water

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Avoid contact with eyes and skin and inhaling dust. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water.
Conditions for Safe Storage:	Store in closed original container in a cool, well ventilated area as cool as possible. DO NOT store for prolonged periods in direct sunlight.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS

	<i>Component</i>	<i>Exposure limit</i>	<i>Value type</i>
National Exposure Standards:	kaolin	10 mg/m ³	8h TWA
Syngenta Exposure Standards:	oxabetrinil	10 mg/m ³	8h TWA
Biological Limit Values:	No biological limits allocated		
Engineering Controls:	Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Where necessary, seek additional occupational hygiene advice.		

Personal Protective Equipment:

<i>Protective measures:</i>	The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.
<i>Respiratory protection:</i>	No personal respiratory protective equipment normally required. If airborne mists or vapours are generated in enclosed areas, use local exhaust ventilation controls. A particulate filter respirator may be necessary until effective technical measures are installed.
<i>Hand protection:</i>	Avoid contact with skin. Wash hands after use.
<i>Eye protection:</i>	Avoid contact with eyes. If product in eyes, wash it out immediately with water. Follow any site specific eye protection policies.
<i>Skin and body protection:</i>	Avoid contact with skin and eyes. Wash hands after use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white powder	Boiling Point:	77.7°C (oxabetrinil)
Odour:	non-specific	Solubility:	suspensible in water
pH:	4 - 8 at 1 % w/v	Density:	0.2 – 0.4 g/cm ³
Vapour Pressure:	5.3 x 10 ⁻⁴ Pa		

Flash Point:	not applicable	Oxidising Properties:	not known
Upper and Lower Flammable (Explosive) Limits in Air:	not known	Combustibility:	not applicable
Ignition Temperature:	>240°C	Corrosiveness:	not corrosive
Explosive Properties:	not explosive		

Section 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Combustion or thermal decomposition will evolve toxic and irritant vapours.
Hazardous Reactions:	None known. Hazardous polymerisation does not occur.

Section 11: TOXICOLOGICAL INFORMATION

Health Effects from Likely Routes of Exposure:	
Acute:	<p>Oral toxicity: LOW TOXICITY Tests on rats indicate this product has a low toxicity following single doses of undiluted product. (LD₅₀ > 5000 mg/kg)</p> <p>Dermal toxicity: LOW TOXICITY Tests on rats indicate this product has a low toxicity following skin contact with undiluted product (LD₅₀ > 2000 mg/kg)</p> <p>Inhalation: LOW TOXICITY Tests on rats indicate this product has low toxicity due to inhalation of product. (LC₅₀ (4hour) > 2.37 mg/L)</p> <p>Skin irritation: NON IRRITANT</p> <p>Eye irritation: SLIGHT IRRITANT</p> <p>Sensitisation: NOT A SENSITISER</p>
Chronic:	Oxabetrinil technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, teratogenic or reproductive effects was obtained.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	<p><i>Toxicity to fish:</i> Moderately toxic to fish <i>Salmo gairdneri</i> (rainbow trout): LC₅₀ = 7.1 mg/L, 96 h</p> <p><i>Toxicity to daphnia and other aquatic invertebrates:</i> Moderately toxic to aquatic invertebrates <i>Daphnia magna</i> (Water flea): EC₅₀ = 8.5 mg/L, 48 h</p> <p><i>Toxicity to algae:</i> Moderately toxic to algae <i>Selenastrum capricornutum</i> (green algae): EC₅₀ = 10.7 mg/L, 72 h</p>
Persistence and Degradability:	Oxabetrinil is not persistent in water and soil.
Environmental Fate (Exposure):	Incorporated into organic molecules.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Methods and Containers:	Rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on-site. Puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.
Special Precautions for Landfill or Incineration:	Not applicable

Section 14: TRANSPORT INFORMATION

LAND TRANSPORT ADG		Not dangerous goods in Australia	
UN Number:	None allocated	Packing Group:	None allocated
UN Proper Shipping Name:	None allocated	Special Precautions for User:	None allocated
Class:	None allocated	Hazchem Code:	None allocated
Subsidiary Risk:	None allocated		

SEA TRANSPORT IMDG			
UN Number:	None allocated	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	None allocated	Packing Group:	None allocated
Class:	None allocated	Marine Pollutant:	Marine pollutant

AIR TRANSPORT IATA - DGR			
UN Number:	None allocated	Subsidiary Risk:	None allocated
UN Proper Shipping Name:	None allocated	Packing Group:	None allocated
Class:	None allocated		

Section 15: REGULATORY INFORMATION

APVMA Product Number:	41351
Poisons Schedule (SUSDP):	Exempt

Section 16: OTHER INFORMATION

Date of preparation or last revision: May 2010
Source of Data: 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.
Note: This product is a registered agricultural chemical and must, therefore, be used in accordance with the container label directions
CONTACT POINT: Regulatory Affairs Manager, Syngenta Crop Protection Pty Limited (02) 8876 8444 24 HOURS EMERGENCY CONTACT: 1800 033 111
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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