

CONQUEST ALPHA FORTE 250 SC INSECTICIDE

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APVMA Approval: 65245

Section 1 – IDENTIFICATION

Product Name: Conquest Alpha Forte 250 SC insecticide
Shipping Name: Conquest Alpha Forte 250 SC insecticide, Liquid, Toxic
ADG Classification: Non DG according to the Australian Dangerous Goods Code
Active Ingredient: Alpha cypermethrin
Product Type: Suspension Concentrate

Section 2 – HAZARDS IDENTIFICATION

NOHSC Classification: Hazardous
Hazchem Code: 2XE
Poison Schedule: S6
Risk Phrases: R22 – Harmful if swallowed
R48/22 – Danger of serious damage to health by prolonged exposure if swallowed.
Safety Phrases: S2 Keep out of reach of children S36/37 Wear suitable protective clothing and gloves.
S45 In case of accident or if you feel unwell, seek medical advice immediately.

Section 3 – COMPOSITION

Chemical Entity	CAS No.	Proportion
Alpha cypermethrin	67375-30-8	250 g/L
Other non hazardous ingredients		<20%
Water	7732-18-5	>55%

Section 4 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour: White flowable liquid.
Specific Gravity: 1.08 g/cm³ @ 20°C
Flash Point: >100°C Not Flammable
Water Solubility: Insoluble. Active suspended in water.
Flammability: Not flammable - Combustible.
Corrosive Hazard: Non corrosive; compatible with aluminium, HDPE, glass and phenolic lined steel containers.

Section 5 – FIRST AID MEASURES

General Instruction: Consult 'The Poisons Information Centre' (Australia Phone: 13 11 26) or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of pause of injury. If breathing difficulties occur seek medical attention immediately.

Inhalation: Move person to fresh air. If effects occur call a Doctor or seek medical advice.

Skin Contact: If on skin wash with plenty of soap and water. Remove contaminated clothing. Seek medical advice if irritation or an allergic reaction occurs. May cause sensitisation by skin contact.

Eye Contact: If in eyes, hold eyes open and flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.

Ingestion: If poisoning occurs, contact a doctor or Poisons Information Centre, phone 13 11 26. Do not induce vomiting. Give nothing by mouth.

Advice to Doctor: There is no specific antidote. Over exposure may cause local irritation of the skin (burning sensation on the face and elsewhere) and irritation of the respiratory tract causing rhino rhea, chest tightness or dyspnea. Treat symptomatically. Ingestion poses the major hazard. In case of ingestion, consider gastric lavage within 4 hours. In case of gross over exposure, subject should be kept under observation as indicated by his/her condition. Convulsions should be treated with anticonvulsants.

Section 6 – FIRE FIGHTING MEASURE

Specific Hazard: Product is not flammable.

Extinguishing Media: Foam, CO₂ or dry chemical. Soft stream water fog if no alternatives. Contain all runoff.

Hazardous Combustion Product: On burning, will emit toxic fumes. In case of fire do not breathe fumes.

Special Fire Fighting Procedures: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

Section 7 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures: Isolate and post spill area. Keep out unprotected persons and animals. Wear prescribed protective clothing and equipment.

Spills: In the case of a spillage, contain spilled material and avoid spreading dust. Dispose of waste according to the Australian Standard 2507 – Storage and Handling of Pesticides. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Label for contents. Dispose of drummed wastes, including decontaminated solution, in accordance with the requirements of Local or State Waste Management Authorities.

Material & Methods for containment & Clean Up Procedures:
To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralization step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. DO NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other water ways.

Section 8 – HANDLING AND STORAGE

Handling: Exercise safe handling practices at all times.

Storage: Store in the closed original container in a cool, well-ventilated area. Do NOT store for prolonged periods in direct sunlight. Triple or preferably pressure rinse containers before disposal. Add rinsing to spray tank. Do NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers below 500mm in a disposal pit specifically marked and set aside for this purpose clear of water ways, desirable vegetation and tree roots. Empty containers and product should NOT be burnt.

Section 9 – EXPOSURE CONTROL AND PERSONAL PROTECTION

General Instructions: The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Engineering Controls: No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and dusts are minimised.

Personal Protection:
Work Clothing: For normal handling wear long sleeve uniform or overalls and head covering. For larger exposures, as in the case of spills, wear full body cover barrier suit, such as rubber rain suit.
Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.
Skin Protection: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow length gloves and facial protection when handling this product.
Respirator: Usually, no respirator is necessary when using this product. Eye baths or eye wash stations should be provided near to where this product is being used.

Section 10 – STABILITY AND REACTIVITY

Chemical Stability:	Stable at normal temperature and pressure.
Conditions to Avoid:	Excess heat, ignition sources.
Incompatibilities:	Strong oxidising agents.
Fire Decomposition:	When the product is heated to high temperatures, thermal decomposition may generate toxic and noxious fumes.
Polymerisation:	Will not occur.

Section 11 – TOXICOLOGICAL INFORMATION

Potential Health Effects:	Effects from over exposure result from swallowing, breathing or coming in contact with the eyes and skin. Symptoms of over exposure include tremors, loss of motor control and greater numbing, burning and tingling. These sensations are reversible and usually subside within 12 hours.
Extrapolated Acute Toxicity:	Oral: LD50 (rat) 1,360 mg/kg Dermal: LD50 (rat) >2000 mg/kg
Other Information:	The Australian Acceptable Daily Intake (ADI) for alpha cypermethrin for a human is 0.05 mg/kg/day set for the public for daily, lifetime exposure. This is based on the NOEL of 4.7 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept of Health and Ageing, 'ADI List', TGA, August 2003).

Section 12 – ECOLOGICAL INFORMATION

General Information:	The product is a marine pollutant for sea and air transport. It is practically non-toxic to birds, it is very highly toxic to fish and aquatic invertebrates. It is highly toxic to bees.
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Section 13 – REGULATORY INFORMATION

APVMA Approval:	Conquest Alpha Forte 250 SC Insecticide is a registered insecticide under the Agricultural and Veterinary Chemicals Code Act 1994. APVMA Approval Number: 65245.
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Section 14 – TRANSPORT INFORMATION

General Information:	This product is a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA). If transporting by sea or air, the following Dangerous Goods Classification applies:-
ADG Code:	Class 9 (Environmentally Hazardous Substance, Liquid, N.O.S.). Packing Group III
UN Number (Sea Transport):	3082
IMO Proper Shipping:	ENVIRONMENTALLY HAZARDOUS LIQUID, N.O.S (contains alpha cypermethrin), Class 9, Packing Group III.

Section 15 – OTHER INFORMATION

General Information:	This MSDS contains only safety-related information. For other data see product literature.	
Acronyms:	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
	AICS	Australian Inventory of Chemical Substances
	CAS number	Chemical Abstracts Service Registry Number
	Hazchem Number	Emergency action code of numbers & letters that provide information to emergency services especially firefighters
	IARC	International Agency for Research on Cancer
	NOHSC	National Occupational Health and Safety Commission
	NTP	National Toxicology Program (USA)
	R-Phrase	Risk Phrase
	SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
Comments:	THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT & HOW TO SAFELY HANDLE & USE THE PRODUCT IN THE	

WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED & USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS & CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS & IS ALSO AVAILABLE ON REQUEST. Please read all labels carefully before using product. This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]