




Safety Data Sheet

Alliacine 40EC

1) Identification of Substance:		
Product name:	Alliacine 40EC	
Active Ingredient(s):	Chlorpropham 400 g/l EC	
ACVM Approval:	P5579	
EPA Approval:	HSR000823	
Distributed by:	Adria Crop Protection P.O. Box 535, Kumeu 0841, Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adria.nz	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
2) Hazards Identification:		
HSNO Classifications:	3.1C, 6.1E, 6.3B, 6.4A, 6.9B, 9.1B, 9.2A	
Risk and safety phrases:	Irritating to respiratory system and skin. Harmful: danger of serious damage to health by prolonged exposure if swallowed. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.	
3) Composition Details:		
Chemical identity:	Chlorpropham	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Chlorpropham	000101-21-3	393-423g/L
4) First Aid Measures:		
General Information:		
Skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if ill effect or irritation develops.	
Eye contact:	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Inhalation:	Assure fresh air breathing. Rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice.	

Further Information:	Treatment: Treat according to symptoms (decontamination, vital functions). No known specific antidote.
5) Fire-Fighting Measures:	
Specific hazards:	High temperature may liberate toxic gases. Halogens. Carbon monoxide. Carbon dioxide. Hydrogen chloride. Nitrogen oxides.
Extinguishing media and methods:	Water. Foam. Carbon dioxide. Dry chemical. Use extinguishing media appropriate for surrounding fire.
Recommended protective clothing:	Wear SCBA and chemical-protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Use protective clothing. Avoid contact with skin, eyes and clothing. Remove contaminated clothes and shoes immediately.
Environmental precautions:	Do not discharge into drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Spill procedures:	Wear appropriate protective clothing and prevent material from entering waterways. Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
Handling:	Avoid contact with skin and eyes. Ventilation required. Keep away from: sparks, open flame and direct sunlight.
Storage:	No naked lights. No smoking. Provide local exhaust or general room ventilation to minimise vapour concentrations.
8) Exposure Control / Personal Protection:	
Engineering measures:	
Respiratory protection:	Wear respiratory protection if ventilation is inadequate. Particle filter with medium efficiency for solid and liquid particles.
Eye protection:	Safety goggles with side-shields.
Hand protection:	Suitable chemical resistant safety gloves (e.g. nitrile rubber (.4mm)).
Other protective equipment:	Body protection (chemical protection suit, boots) must be chosen depending on activity and possible exposure.
General Safety & Hygiene measures:	Keep away from food, drink and animal feedstuffs. No eating, drinking or smoking during use. Wash hands and face before breaks and after work.

9) Physical & Chemical Properties:	
Form:	Liquid
Colour:	Yellow-Brown
Odour:	Aromatic
Melting point/boiling point:	-
Density:	0.98
Surface tension:	30.8 (25°C).
pH:	6.4
Flash point:	27.5
Ignition Temperature:	470
Explosive Limits:	N/A
Viscosity:	2.6 mm ² /s, 40°C
Other Data:	N/A
10) Stability & Reactivity:	
Conditions to avoid:	Stable.
Materials to avoid:	None known.
Hazardous reactions:	May release flammable gases.
Hazardous decomposition products	According to process conditions, hazardous decomposition products may be generated. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Halogens. Nitrogen oxides.
Hazardous properties	In use, may form flammable/explosive vapour-air mixture.
11) Toxicological Information:	
Acute toxicity	Irritating to respiratory system and skin.
Rat oral LD50 [mg/kg]	> 2000
Rabbit dermal LD50 [mg/kg]	> 4000
Rat inhalation LC50 [mg/l/4h]	> 0.5
Chronic toxicity	Danger of serious damage to health by prolonged exposure.
On ingredients	See Heading: Information on ingredients.
12) Ecological Information:	
Ecological effects information	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic Environment.
LC50 96h fish [mg/l]	22.1
48 Hour-EC50 - Daphnia magna [mg/l]	21.02
IC50 72h Algae [mg/l]	1.13
On ingredients	See Heading: Information on ingredients.
13) Disposal Considerations:	
Disposal: 	Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.
Empty container precautions:	Avoid contamination of any water supply with chemical or empty container.

14) Transportation Information:	
Rail/road (RID/ADR):	UN1993, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORPROPHAM 40% SOLUTION) Class 3 Packing group III 
Sea (IMDG code):	UN1993, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORPROPHAM 40% SOLUTION) Class 3 Packing group III Marine Pollutant 
Air (ICAO/IATA):	UN1993, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORPROPHAM 40% SOLUTION) Class 3 Packing group III 
15) Regulatory Information:	
Approved handlers:	This product must be under the care of an approved handler during use.
Tracking:	No.
ACVM controls:	See www.foodsafety.govt.nz for registration conditions.
16) Other Information	
<p>For proper and safe use of this product, please refer to the approval conditions laid down on the product label.</p> <p>The data contained in this safety data sheet is based on our current knowledge and describes the product only with regard to safety requirements. The data does not describe the product's properties. Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any existing laws and legislation are observed</p>	