



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-A/01

Admiral 10EC

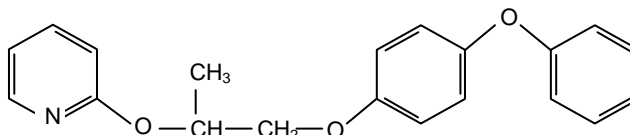
Revision: 0, 1<sup>st</sup> Issue

Page 1 of 6

## Section 1: Identification of the Hazardous Chemical and of the Supplier

### 1.1 Product Identifier

Product Name: Pyriproxyfen 10EC  
Trade Name: Admiral 10EC  
Active Ingredient: 4-Phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether  
CAS No.(AI): 95737-68-1  
Structural Formula:



Recommended Usage: Insecticide

### 1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.  
962, Lorong Perusahaan 8  
Taman Perindustrian Perai  
13600 Perai, Pulau Pinang  
Malaysia  
Tel.: +6-04-3907988  
Fax: +6-04-3905703  
Web: [www.agrichem.com.my](http://www.agrichem.com.my)  
Emergency Phone: +6-04-3907988

## Section 2: Hazard Identification

Classification: Skin Irritation, Cat. 2  
Eye Irritation, Cat. 2  
Hazardous to the Aquatic Environment – Acute Hazard, Cat. 1  
Hazardous to the Aquatic Environment – Chronic Hazard, Cat. 2

Pictogram:



Signal Word: Warning

Hazard Statement:  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H400: Very toxic to aquatic life



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-A/01

Admiral 10EC

Revision: 0, 1<sup>st</sup> Issue  
Page 2 of 6

H410: Very toxic to aquatic life with long lasting effects

## Precautionary Statement:

P264: Wash hands and exposed body parts thoroughly after handling  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P302+352: IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P337+P313: If eye irritation persists: Get medical advice/attention.

## Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Weight, %	Hazard Code
Pyriproxyfen	95737-68-1	10%w/v	-
Solvent etc.	-	Balance	-

## Section 4: First-aid Measures

Inhalation: Move patients to fresh air and leave at rest. If symptoms persist, seek medical advice.  
Skin Contact: Remove contaminated clothing immediately. Wash affected area immediately with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.  
Eye Contact: Rinse thoroughly with plenty of water as long as possible. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.  
Ingestion: If the person is unconscious, never give anything by mouth nor induce vomiting. Otherwise, give plenty of water and induce vomiting. Call a physician for treatment advice.  
Symptoms: No data available.  
Notes to Physician: Symptomatic treatment is advised.

## Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide. Big fire: foam, water spray.  
Specific Hazard During Fire: In case of fire, hazardous gases might be produced. Combustion products: toxic and corrosive products such as NO<sub>x</sub>, CO. The product is combustible. Avoid electrostatic discharge or smoking by the product. Above the flash point, explosive mixtures can be formed.



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-A/01

Admiral 10EC

Revision: 0, 1<sup>st</sup> Issue

Page 3 of 6

Special Protective Equipment: Wear self-contained breathing apparatus. Wear suitable protective clothing and eye/face protection.

## Section 6: Accidental Release Measures

Personal Precautions: Avoid contact with spilled product or contaminated surfaces. When dealing with a spillage do not eat, drink or smoke.

Environmental Precautions: Do not allow spillage to escape into sewage system or into watercourses.

Method for Cleaning Up: In case of spill, soak it up immediately with suitable absorbent, such as sawdust or granular absorbent clay, and transfer collected materials to heavy-duty plastic drums and keep them for safe disposal. Do not wash residues into drains or other waterways.

## Section 7: Handling and Storage

Precautions for Safe Handling: General precautions for handling of chemicals should be applied. Provide good ventilation system, or local exhaust ventilation if necessary, in working area.

Conditions for Safe Storage: Store in a dry and cool place where there is no direct sunlight. Keep a container in a well-ventilated place. Keep away from heat.

Incompatibles: Do not mix with water except during preparation procedures.

## Section 8: Exposure Control and Personal Protection

Exposure Limit: No exposure limits have been established for this material.

Engineering Control: Provide adequate ventilation system.

Individual Protection Measure: When handling, do not eat, drink or smoke. Remove soiled or soaked clothing immediately. Launder clothes before reuse. Clean hands and face in intervals and after work. Work in a well-ventilated area.

Personal Protective Equipment:

- Eye Protection: Wear safety goggles.
- Skin Protection: Wear suitable protective clothing and rubber gloves for protection.
- Respiratory Protection: General precautions for handling of chemicals should be applied.

## Section 9: Physical and Chemical Properties

Appearance: Colourless or pale yellow transparent liquid

Odour: Slightly characteristic odour

Odour Threshold: No data available

pH: 4 - 7



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-A/01

Admiral 10EC

Revision: 0, 1<sup>st</sup> Issue

Page 4 of 6

Melting/Freezing Point:	Not applicable
Initial Boiling Point:	Not applicable
Boiling Range:	Not applicable
Flash Point:	66.8°C
Evaporation Rate:	No data available
Flammability:	No data available
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available
Vapour Pressure:	Not applicable
Vapour Density:	No data available
Relative Density:	0.914 – 0.934 (20°C)
Solubility in Water:	Emulsifiable in water
Partition Coefficient P <sub>o/w</sub> :	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Viscosity:	No data available

## Section 10: Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable for 3 years after manufacturing under recommended storage and handling conditions.
Hazardous Reaction:	No data available.
Condition to Avoid:	Avoid high temperature and direct sunlight.
Incompatible Material:	No data available.
Hazardous Decomposition Product:	May emit toxic and irritating gases when in contact with or left by fire.

## Section 11: Toxicological Information

### 11.1 Acute Toxicity

Component: Pyriproxyfen TG		
Ingestion, Oral LD <sub>50</sub> :		
	Rat	>5000 mg/kg
Skin Contact, Dermal LD <sub>50</sub> :		
	Rat	>2000 mg/kg
Inhalation, LC <sub>50</sub> :		
	Rat	>1.3 mg/L air (4 hours) (max. attainable concentration using an artificially produced mist)

### 11.2 Chronic Effect from Short and Long Term Exposure

Component: Pyriproxyfen TG		
Irritation:		
	Skin	Non-irritating



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-A/01

Admiral 10EC

Revision: 0, 1<sup>st</sup> Issue

Page 5 of 6

Eye	Irritating
Sensitization:	Not sensitizing (maximization test)

Carcinogenicity: No data available  
Mutagenicity: No data available  
Teratogenicity: No data available

11.3 Symptoms No data available

## Section 12: Ecological Information

Ecotoxicity:

Component: Pyriproxyfen TG			
Acute Toxicity			
	Fish ( <i>Oncorhynchus mykiss</i> ), LC <sub>50</sub> , 96 hr	0.325 mg/L	
	Daphnia ( <i>Daphnia magna</i> ), EC <sub>50</sub> , 48 hr	0.40 mg/L	
	Algae ( <i>Selenastrum capricornutum</i> ), EC <sub>50</sub> , 72 hr	0.064 mg/L	

Persistence and Degradability: No data available  
Bioaccumulative Potential: No data available  
Mobility in Soil: No data available  
Other Adverse Effect: No data available

## Section 13: Disposal Information

Product: Should be taken to a particular disposal site or incineration plant in accordance with current regulations. Consult with site operator and/or the authority responsible for the disposal.

Contaminated packaging: Discard according to all national and local regulations.

## Section 14: Transportation Information

<b>Land (ADR/RID)</b>	
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Hazchem Code	-
UN number	3082
Packing Group	III
Label / Mark	9
<b>Sea (IMDG)</b>	
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
UN Number	3082



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-A/01

Admiral 10EC

Revision: 0, 1<sup>st</sup> Issue

Page 6 of 6

Packing Group	III
Marine Pollutant	-
Label	9
Transport Document Name	-
<b>Air (IATA)</b>	
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
UN number	3082
Packing Group	III
Label / Mark	9
Transport Document Name	-

## Section 15: Regulatory Information

Classification: Skin Irritation, Cat. 2  
Eye Irritation, Cat. 2  
Hazardous to the Aquatic Environment – Acute Hazard, Cat. 1  
Hazardous to the Aquatic Environment – Chronic Hazard, Cat. 2

Signal Word: Warning

Pictogram:



Pesticides Act: Class IV  
Classification: -

## Section 16: Other Information

Date of Preparation: 4 March 2016  
Date of Revision: -  
Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014  
GHS Purple Book  
MSDS

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.