



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-M/03

Moncut 15% EC

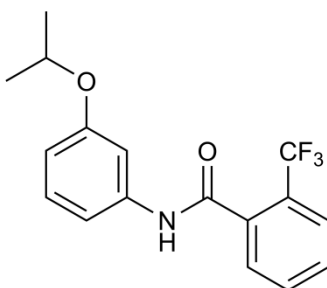
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## Section 1: Identification of the Hazardous Chemical and of the Supplier

### 1.1 Product Identifier

Product Name: Flutolanil 15% EC  
Trade Name: Moncut 15% EC  
Active Ingredient: 3'-isopropoxy-2-(trifluoromethyl) benzanilide  
CAS No.(AI): 66332-96-5  
Structural Formula:



*Flutolanil*

Recommended Usage: Fungicide

### 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 category 2  
Eye irritation category 2

Pictogram:



Signal Word: Warning

Hazard Statement:  
H315 Causes skin irritation



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H319

Causes serious eye irritation

## Precautionary Statement:

P264

Wash hands and exposed body parts thoroughly after handling

P280

Wear protective gloves/protective clothing/eye protection/face protection

P302+352

IF ON SKIN: Wash with plenty of soap and water

P362

Take off contaminated clothing and wash before reuse.

P305+351+338

IF ON EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+313

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
Flutolanil	66332-96-5	15%	No data
Inert ingredients	-	Balance	No data

## Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact:

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Sensitized person should avoid further contact.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion:

DO NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

Symptoms:

Ingestion of large amount may cause hypoactivity. Body weight depression, vomiting, salivation

Notes to Physician:

Treatment is symptomatic

## Section 5: Fire-fighting Measures

Suitable Extinguishing Media:

Carbon dioxide (CO<sub>2</sub>), chemical foam, dry chemical, aqueous film forming foam



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Specific Hazard During Fire: Not known  
Special Protective Equipment: Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

Personal Precautions: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.  
Environmental Precautions: Avoid release to the environment.  
Method for Cleaning Up: Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Absorb spills with inert material such as clay, sand, earth, sawdust etc. and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

## Section 7: Handling and Storage

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.  
Wash thoroughly after handling.  
Conditions for Safe Storage: Store in a well ventilated place. Keep away from heat/sparks/open flames/hot surfaces - No smoking. Keep container tightly closed.  
Avoid direct sunlight.  
Incompatibles: Not known.

## Section 8: Exposure Control and Personal Protection

Exposure Limit:

Source	Component	CAS No.	Limit
JAIH	Flutolanil	66332-96-5	10mg/m <sup>3</sup>
Nichino	Flutolanil	66332-96-5	2mg/m <sup>3</sup>

Engineering Control: Local exhaust ventilation or closed system  
Individual Protection Measure: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not breathe vapours.  
Personal Protective Equipment:  
Eye Protection: Protective goggles  
Skin Protection: Face shield, nitrile rubber gloves and boots  
Respiratory Protection: Respirator



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## Section 9: Physical and Chemical Properties

Appearance:	Pale brownish emulsifiable liquid
Odour:	Naphthalene odour
Odour Threshold:	No data
pH:	3 - 8 (10% Emulsion)
Melting/Freezing Point:	No data
Initial Boiling Point:	No data
Boiling Range:	No data
Flash Point:	110°C
Evaporation Rate:	No data
Flammability:	Combustible liquid
Upper Flammability Limit:	No data
Lower Flammability Limit:	No data
Vapour Pressure:	No data
Vapour Density:	No data
Relative Density:	1.07 at 20°C
Solubility in Water:	Emulsifiable in water
Partition Coefficient P <sub>o/w</sub> :	No data
Auto-ignition Temperature:	No data
Decomposition Temperature:	No data
Viscosity:	No data

## Section 10: Stability and Reactivity

Reactivity:	No data
Chemical Stability:	Stable under normal storage condition
Hazardous Reaction:	No data
Condition to Avoid:	Direct sunlight
Incompatible Material:	No data
Hazardous Decomposition Product:	No data

## Section 11: Toxicological Information

### 11.1 Acute Toxicity

Ingestion, Oral LD <sub>50</sub> :		
	Rat (female)	3,542mg/kg
	Rat (male)	4,913mg/kg
Skin Contact, Dermal LD <sub>50</sub> :		
	Rat (female)	> 2,000mg/kg
	Rat (male)	> 2,000mg/kg



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Component: Flutolanil

Inhalation, LC <sub>50</sub> :	
Rat	> 5.98mg/L (4 hours)

## 11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact:	Causes skin irritation
Eye Contact:	Causes serious eye damage
Sensitizing:	Negative
Inhalation:	May cause respiratory irritation
Ingestion:	Harmful if swallowed
Carcinogenicity:	Flutolanil did not produce any tumours in both sexes of rats.
Mutagenicity:	Flutolanil did not produce genetic changes in Rec-assay and Ames test.
Teratogenicity:	No birth defects were noted in rats and rabbits given Flutolanil orally during pregnancy. No effects were seen on male and female rats to reproduce when fed Flutolanil for 2 successive generations.

## 11.3 Symptoms

Body weight depression, vomiting, salivation

## Section 12: Ecological Information

Ecotoxicity:

Acute Aquatic Toxicity:	
Carp, LC <sub>50</sub> , 48hr	9.8mg/L
Daphnia LC <sub>50</sub> , 3 hr	24.5mg/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

Dispose of contents/container to Kualiti Alam / authorized body by DOE.

## Section 14: Transportation Information

<b>Land (ADR/RID)</b>	
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class	9
Hazchem Code	-



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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
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  
Signal Word: Warning  
Pictogram:



Pesticides Act: Class IV  
Classification: -

## Section 16: Other Information

Date of Preparation: 16 February 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.