

MATERIAL SAFETY DATA SHEET

Introductory Details

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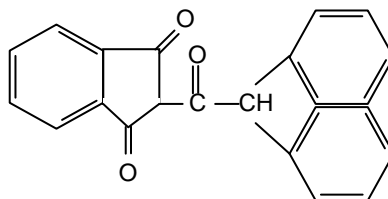
Date of preparation : 14 May 2004

Date revised : 13 June 2008

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Details

Product Name : Diphacinone 0.005% G
Trade Name : YASODION
Chemical Name : 2-Diphenylacetyl-1,3-indandione
Chemical Formula : $C_{23}H_{16}O_3$
Molar Mass : 340.38
Chemical Family : Aromatic Hydrocarbon
Manufacturer's Code : -
Use : Rodenticide
Structural Formula :



Diphacinone

1.2 Company Identification

Manufacturer

Name and Address : Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8,
Taman Perindustrian Perai,
13600 Perai, Pulau Pinang, Malaysia.
Telephone Number : 604-390 7988
Emergency Telephone Number : 604-390 7988

1.3 Contact Point

Designation : Ms. Cheong Wai Ching, Product Support Manager /
En. Ahmad Labib bin Yusof, Administrative Assistant
Tel. No. : 604-390 7988

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SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name	CAS No.	Proportion	Exposure Limit	Toxicity Data
2-Diphenylacetyl-1,3-indandione	82-66-6	0.005%	No data available	Refer to Section 11
Preservative	-	< 1%		
Food Stuff	-	Balance		

SECTION 3 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Pellet
Odour	: Odourless
Solubility	: Insoluble in water
Boiling Point	: No data available
Melting Point (Technical)	: 146 - 147°C
Vapour Pressure	: Negligible
Percentage Volatiles	: Not applicable
Evaporation Rate	: Not applicable
Vapour Density	: Not applicable
Specific Gravity	: No data available
Flash Point	: Not applicable
Autoignition Temperature	: Not applicable, does not ignite readily.
Flammable Limit (%)	: Not inflammable

SECTION 4 : HAZARD IDENTIFICATION

No significant hazard under CPL regulations. .

SECTION 5 : FIRST AID MEASURES

Ingestion	: Induce vomiting after drinking water. Get prompt medical attention.
Eye contact	: Flush with plenty of water. Obtain medical advice if necessary.
Skin contact	: Remove contaminated clothing and wash skin thoroughly with soap and water.
Inhalation	: Remove victim to fresh air. Get medical attention.

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Notes to physician :
Poisoning symptoms : Nasal hemorrhage, hypodermic hemorrhage, petechiae hemorrhage on elbow or knee, pallescene, hematuria, rectal hemorrhage etc.
Medical treatment : If the prothrobim time extends over twice as its normal level (ca. 15 seconds), oral dose of Vitamin K1 is indicated.

SECTION 6 : FIRE FIGHTING MEASURES

Extinguishing Media : Foam, CO₂ type fire extinguisher.
Fire fighting instruction : Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.
Special hazard : May emit carbon monoxide and carbon dioxide.

SECTION 7 : ACCIDENTAL RELEASE MEASURE

Leak and/or Spill :
Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Collect the spill into waste container for disposal. Wash the contaminated area with a little water and detergent. Adsorb with inert material such as clay or earth. Collect into the same container for disposal. Prevent the spillage from entering local drainage system.

SECTION 8 : HANDLING AND STORAGE

Handling : Read the label before use. Wear protective gloves and clothing while handling.
Storage : Keep in original containers, tightly closed, in a cool, dry and well-ventilated place.
Do not store with animal feeds or foodstuff. Keep out of reach of children or farm animals

SECTION 9 : EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limit : No data available.
Engineering measures : General ventilation
Personal protection : Wear protective gloves and clothing.

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SECTION 10 : STABILITY AND REACTIVITY

Conditions to avoid : Direct sunlight, heat and extreme temperature.
Incompatibility : Sodium or potassium hydroxide
Decomposition products : Carbon monoxide, carbon dioxide
Hazardous polymerization : No data available
Stability : Stable to acids. Form salts with bases such as sodium and potassium hydroxide.

SECTION 11 : TOXICOLOGICAL INFORMATION

The following data is based on Diphacinone Technical

Toxicity Data :
Oral LD₅₀ : (Rat) 20 - 50 mg/kg
Dermal LD₅₀ : (Rat) male 637 mg/kg
(Rat) female 807 mg/kg
Inhalation LC₅₀ : (Rat) No data available
Mutagenic Effect : Ames - Negative
Teratogenic Effect : No data available
Carcinogenicity : Negative in Rec assay.
Reproductive Effect : No data available
Effects of overexposure : No data available
Irritant Properties : No data available
Chronic effects : No data available
Sensitising Effect : No data available
Target organs : No data available
Medical Conditions Generally Aggravated by exposure : No data available

SECTION 12 : ECOLOGICAL INFORMATION

The following data is based on Diphacinone Technical

Mobility & Bioaccumulation : Does not accumulate in the environment.
Biodegradability : Decomposed by microorganism.

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Aquatic Toxicity :

LC ₅₀ (96 hours)	(Channel catfish)	2.1 mg/l
	(Bluegill)	7.6 mg/l
	(Rainbow trout)	2.8 mg/l
LC ₅₀ (48 hours)	(Daphnia)	1.8 mg/l

SECTION 13 : DISPOSAL INFORMATION

Dispose of according to local regulation.

SECTION 14 : TRANSPORT INFORMATION

Follow the precaution indicated in the storage and handling section. Follow all regulations in your country.

SECTION 15 : REGULATORY INFORMATION

Pesticides Act : Class IV

CPL Regulations : No significant hazard under CPL regulations.

SECTION 16 : OTHER INFORMATION

Reference : (a) Material Safety Data Sheet - Yasodion

Date : 28-9-2001

(b) Material Safety Data Sheet - Yasodion Technical

Date : 16 May 2008

(c) Guidelines for The Classification of Hazardous Chemicals, DOSH 1997

(d) Guidelines for The Formulation of A Chemical Safety Data Sheet, DOSH 1997

(e) Guidelines for Labelling of Hazardous Chemicals, DOSH 1997

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.