



# SAFETY DATA SHEET

## MOXIMATE 725 WG

Page: Page 1 of 10  
Ref: IIL/MOX/03725/1  
Revision date: 07/04/2015  
Issue Date: 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product name:** MOXIMATE 725 WG  
**Use / description of product:** Use as an agricultural/horticultural fungicide  
**Company name:** Indofil Industries Limited  
Kalpataru Square, 4th Floor, Kondivita Road, Off. Andheri Kurla Road,  
Andheri (E), Mumbai 400 059, Maharashtra, India  
Telephone: 0091 22 66637373  
Telefax 0091 22 28322275  
E-mail: [mkt-icc@modi.com](mailto:mkt-icc@modi.com)  
Representative Office address: Via Filippo Turati 6 -20121 Milan, Italy

**Emergency telephone number:** +44(0)1235 239670 / +44 (0)1865 407333

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008[CLP/GHS]

Health Hazard : Repr. Cat. 2

Environmental Hazard : Aquatic Acute 1,  
Aquatic Chronic 1;

#### 2.2. Label elements:

CLP/GHS [Regulation (EC) No 1272/2008]

Hazard pictograms:



GHS08: health hazard



GHS09: environment

Signal word: Warning

Hazard Statements:

H361fd : Suspected of damaging fertility. Suspected of damaging the unborn child  
H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements:

Prevention:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children



# SAFETY DATA SHEET

## MOXIMATE 725 WG

Page: Page 2 of 10  
Ref: IIL/MOX/03725/1  
Revision date: 07/04/2015  
Issue Date: 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

P270: Do not eat, drink or smoke when using the product

P280: Wear protective gloves/protective clothing.

Response:

P308 + P313: If exposed or concerned: Get medical advice/attention.

P391: Collect spillage.

Disposal:

P501: Dispose of contents/container in accordance with State, Local and Federal Regulations

Supplemental Hazard Information:

EUH208: Contains Mancozeb, Cymoxanil & Hexamethylenetetramine. May produce an allergic reaction.

EUH 401: To avoid risks to human health and the environment, comply with the instructions for use.

Label elements according to Directive 2003/82/EC and to Regulation (EU) No 547/2011

SP 1: Do not contaminate water with the product or its container. (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads.)

SPe 3: To protect aquatic organisms respect an unsprayed buffer zone of (details see label) to surface water bodies.

SPe 4: To protect aquatic organisms/non-target plants do not apply on impermeable surfaces such as asphalt, concrete, cobblestones, railway tracks and other situations with a high risk of run-off.

### 2.3. Other hazards:

EUH208: Contains Mancozeb, Cymoxanil & Hexamethylenetetramine. May produce an allergic reaction.

EUH 401: To avoid risks to human health and the environment, comply with the instructions for use.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Hazardous ingredients:

Material	%	Identifiers	Classification 67/548/EEC [DSD]	Classification Regulation (EC) No 1272/2008 [CLP]
Cymoxanil (on basis of 100% ai)	4.5	EC: 261-043-0 CAS: 57966-95-7 Index: 616-035-00-5	Repr. Cat. 3; R62-63 Xn; R22-48/22 R43 N; R50-53	Repr. Cat 2, H361fd STOT RE Cat 2, H373 Acute Tox. 4; H302; Skin Sens. 1; H317; Aquatic Acute 1; H400; Aquatic Chronic 1, H410
Mancozeb (on basis of 100% ai)	68	EC: - CAS: 8018-01-7 Index: 006-076-00-1	Xn, R43, N, R50; Repr. Cat 3, R63;	Repr. 2; H361d; Skin Sens. 1; H317; Aquatic Acute 1; H400; M = 10
Inert ingredients	Q.S. to make 100%	--	--	--

Full text of R- and H-phrases: see section 16

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### GENERAL:

In all cases of doubt, or where symptoms persist, seek medical attention.



# SAFETY DATA SHEET

## MOXIMATE 725 WG

**Page:** Page 3 of 10  
**Ref:** IIL/MOX/03725/1  
**Revision date:** 07/04/2015  
**Issue Date:** 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

<b>INGESTION:</b>	Do not attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth to an unconscious or semi-conscious person. Wash out the mouth with water. If the exposed subject is fully conscious, give plenty of water to drink. Seek medical advice.
<b>INHALATION:</b>	If symptoms of breathing difficulties appear, remove the person from the contaminated area and into fresh air. If breathing difficulties persist, contact a doctor.
<b>SKIN CONTACT:</b>	Avoid contact with mucous membranes. Wash immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if ill effects or irritation develops.
<b>EYE CONTACT:</b>	In the event of the preparation coming into contact with the eye(s), remove contact lenses. Immediately flush the eye(s) with copious amounts of clear, cool running water for a minimum of 15 minutes. Hold the eyelids apart during flushing to ensure rinsing of the entire surface of the eye and lids with water. If irritation occurs and persists, contact a doctor.

#### 4.2 Most important symptoms and effects, both acute and delayed:

See Section 11 for more detailed information on health effects and symptoms.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Notes to physician: Basic aid, decontamination, symptomatic treatment. See Section 11 for more detailed information on health effects and symptoms.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media:

**SUITABLE EXTINGUISHING MEDIA:** Water spray. Carbon dioxide. Dry chemical powder. Alcohol or polymer foam.

**UNSUITABLE EXTINGUISHING MEDIA:** No unsuitable media.

### 5.2 Special hazards arising from the substance or mixture:

**HAZARDS FROM THE SUBSTANCE OR MIXTURE** Exposure to fire may form flammable/explosive air-dust mixture

**HAZARDOUS COMBUSTION PRODUCTS** In combustion emits toxic fumes of sulphur oxides, nitrogen oxides and carbon dioxide / carbon monoxide.

### 5.3 Advice for fire fighters:

**SPECIAL FIRE-FIGHTING PROCEDURES:** If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard.



# SAFETY DATA SHEET

## MOXIMATE 725 WG

**Page:** Page 4 of 10  
**Ref:** IIL/MOX/03725/1  
**Revision date:** 07/04/2015  
**Issue Date:** 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

### **SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:**

Wear self-contained breathing apparatus.  
Run-Off from fire will be a pollution hazard.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

No action shall be taken involving any personal risk without suitable training. Keep unnecessary and unprotected personal off from entering. Do not touch or walk through spilt material. Avoid dust formation and breathing of dust. Put on appropriate personal protective equipment (see Sect. 8)

### **6.2 Environmental precautions:**

Do not discharge into drains or rivers. Contain the spillage using bunding. Eliminate all sources of ignition. Do not create dust. Knock down dust with water spray. Avoid dispersal of spilt material into drains, waterways, sewage. Inform relevant authorities if the product has caused environmental pollution.

### **6.3 Methods and materials for containment and cleaning up:**

Ensure there is sufficient ventilation of the area. Transfer to a closable, labeled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

### **6.4 Reference to other sections:**

See Section 1 for emergency contact information

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information

## **7. HANDLING AND STORAGE**

The information in this section contains generic advice and guidance.

### **7.1 Precautions for safe handling:**

**HANDLING:** Ensure good ventilation at the workplace. Smoking is forbidden. When handling, do not eat or drink. Use non-sparking tools. Open and handle receptacle with care.

### **7.2 Conditions for safe storage, including any incompatibilities:**

**STORAGE:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original containers, out of reach of children. Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as a fungicide and could create flammable vapours.

### **7.3 Specific end use(s):**

Use as an agricultural/horticultural fungicide

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1 Control parameters:**

Exposure Limit Values:

Both active ingredients are listed in the Annex of the Plant Protection Directive 91/414/EEC.



# SAFETY DATA SHEET

## MOXIMATE 725 WG

**Page:** Page 5 of 10  
**Ref:** IIL/MOX/03725/1  
**Revision date:** 07/04/2015  
**Issue Date:** 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

Recommended Monitoring Procedures:

If this product contains ingredients with exposure limits, personal workplace atmosphere or biological monitoring may be required to determine the effectiveness of risk minimization measures.

### 8.2 Exposure Controls:

Risk management measures: According to Good Agricultural Practice.

Occupational exposure controls: Not relevant.

Personal protection measures:

**RESPIRATORY PROTECTION:** Wear dual cartridge respirator for dusts and mists. In the case of intensive or long-term exposure use a self-contained respiratory protective device.

**HAND PROTECTION:** Protective gloves (recommended material e.g.: Natural Latex, Chloropren, Nitrile, Vilton, Butyl, permeation time: 480 min, penetration level: 3) Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**EYE PROTECTION:** Protective goggles.

**SKIN/BODY PROTECTION:** Mixers and loaders must wear overalls, protective goggles and chemical-resistant apron. Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

**HYGIENE MEASURES:** Wash hands thoroughly after use. Avoid contact with skin and eyes. Remove contaminated clothing and wash thoroughly before reuse.

Environmental exposure controls:

Emissions from work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties:

<b>PHYSICAL STATE:</b>	Granular solid
<b>COLOUR:</b>	Beige
<b>ODOUR:</b>	Odourless
<b>pH:</b>	6 to 8
<b>BOILING POINT:</b>	Not applicable
<b>MELTING POINT:</b>	Not applicable
<b>FLASHPOINT:</b>	Not applicable
<b>FLAMMABILITY:</b>	This product is not flammable
<b>AUTOFLAMMABILITY:</b>	This product is not auto-flammable.
<b>EXPLOSIVE PROPERTIES:</b>	This product is not explosive
<b>IGNITION TEMPERATURES:</b>	The product is not self-igniting.
<b>OXIDIZING PROPERTIES:</b>	This product is non-oxidising.
<b>PERSISTENT FOAMING:</b>	Max. 25 mL after 1 minutes



# SAFETY DATA SHEET

## MOXIMATE 725 WG

Page: Page 6 of 10  
Ref: IIL/MOX/03725/1  
Revision date: 07/04/2015  
Issue Date: 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

**DENSITY:** 0.5 to 0.6 g/ml  
**SUSPENSIBILITY:** Min. 70 % w/w

**9.2 Other Information:** No additional information

### 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** No specific test data related to reactivity available for this product.

**10.2 Chemical stability:** Stable if stored under recommended storage and handling conditions.

**10.3 Possibility of hazardous reactions:** Avoid contact with acids and moisture whilst in storage

**10.4 Conditions to avoid:** Avoid contact with acids and moisture.

**10.5 Incompatible materials:** No specific data.

**10.6 Hazardous decomposition products:**

Elevated temperature or free water promotes decomposition, which may cause spontaneous combustion. In combustion emits toxic fumes of sulphur, carbon dioxide / carbon monoxide and nitrogen oxides.

### 11. TOXICOLOGICAL INFORMATION

**11.1 Information on toxicological effects:**

**ACUTE TOXICITY:**

**ORAL LD50 (RAT):** >2,000 mg/kg body weight (similar product)

**DERMAL (RAT) LD50:** >2,000 mg/kg body weight (similar product)

**INHALATION LC50 (RAT):** >4.48 mg/L air (similar product)

**SKIN IRRITATION (RABBIT):** Not irritating (similar product)

**EYE IRRITATION (RABBIT):** Not irritating (similar product)

**SENSITISATION (GUINEA PIG):** Not sensitizing (similar product)

**SUBCHRONIC TOXICITY:**

Mancozeb:

Oral toxicity NOAEL (dog): 7.6 mg/kg bw/d  
(1 y)

Oral toxicity NOAEL (rat): 7.0 mg/kg bw/d  
(2 generation)

Oral toxicity NOAEL (rat): 7.4 mg/kg bw/d  
(90 d)

Cymoxanil:

Oral toxicity NOAEL (dog): 1.3 mg/kg bw/d  
(1 y)

Oral toxicity NOAEL (rat): 6.5 mg/kg bw/d  
(90 d)

Oral toxicity NOAEL (mouse): 84.4 mg/kg  
bw/day (90 d)

Dermal toxicity NOAEL (rat) > 1000 mg/kg  
bw/d (28 d)



# SAFETY DATA SHEET

## MOXIMATE 725 WG

Page: Page 7 of 10  
Ref: IIL/MOX/03725/1  
Revision date: 07/04/2015  
Issue Date: 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

<b>CARCINOGENICITY:</b>	NOAEL (rat) = 125 ppm (4.8 Kg bw/d) (Mancozeb) Not carcinogenic (Mancozeb) No evidence of a cancerogenic potential (Cymoxanil)
<b>MUTAGENICITY:</b>	There was no evidence for the induction of gene mutations or cell transformation (Mancozeb) Not mutagenic (Cymoxanil)
<b>TERATOGENICITY:</b>	NOEL (rat) = 60 mg/Kg bw/d (Mancozeb) Not teratogenic (Mancozeb) Studies showed that cymoxanil can impair fetal development producing also malformations (Cymoxanil)
<b>REPRODUCTIVE EFFECTS:</b>	NOAEL/NOEL (rat): 150 ppm (Mancozeb) Toxic to reproduction (Mancozeb) NOAEL (rat): 10.5 mg/Kg bw/d (Cymoxanil)

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

<b>FISH (DANIO RERIO)</b>	10mg/L < LC <sub>50</sub> ≤ 100 mg/L (similar product)
<b>ALGAE</b>	10mg/L < LC <sub>50</sub> ≤ 100 mg/L (similar product)
<b>(PSEUDOKIRCHNERIELLA SUBCAPITATA)</b>	1.0 mg/L < NOEC ≤ 10.0 mg/L (similar product)
<b>DAPHNIA MAGNA</b>	1mg/L < EC <sub>50</sub> ≤ 10 mg/L (similar product)

**BEEES:** Material is non toxic to bees

**12.2 Persistence and degradability:** Not available.

**12.3 Bioaccumulative potential:** Not available.

**12.4 Mobility in soil:** Not available.

**12.5 Results of PBT and vPvB assessment:**  
PBT: No.

vPvB: No.

**12.6 Other adverse effects:** Not available.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Dispose of under controlled conditions in accordance with all local and national laws and regulations.  
Do not puncture or burn after use. Do not contaminate water, food or feed by disposal



# SAFETY DATA SHEET

## MOXIMATE 725 WG

Page: Page 8 of 10  
Ref: IIL/MOX/03725/1  
Revision date: 07/04/2015  
Issue Date: 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

### 14. TRANSPORT INFORMATION

#### Land transport (ADR/RID)

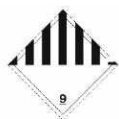
UN number: 3077  
UN proper shipping name: Environmentally hazardous substance, solid, n.o.s. ( Fungicide, contains Mancozeb (ISO) and Cymoxanil)  
Transport hazard class(es): 9  
Packing group: III  
Hazard label: 9



Classification code: M7  
Limited quantity: 5 kg / 30 kg  
Transport category: 3  
Hazard-no.: 90  
Tunnel restriction code: E

#### Inland waterways transport

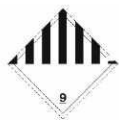
UN number: 3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Fungicide, containing Mancozeb (ISO) and Cymoxanil)  
Transport hazard class(es): 9  
Packing group: III  
Hazard label: 9



Classification code: M7  
Limited quantity: 5 kg / 30 kg

#### Marine transport

UN number: 3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Fungicide, containing Mancozeb (ISO) and Cymoxanil)  
Transport hazard class(es): 9  
Packing group: III  
Hazard label: 9







# SAFETY DATA SHEET

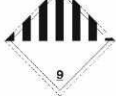
## MOXIMATE 725 WG

Page: Page 9 of 10  
Ref: IIL/MOX/03725/1  
Revision date: 07/04/2015  
Issue Date: 26/03/2013  
Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

Limited quantity: 5 kg / 30 kg  
EmS: F-A, S-F

### Air transport

UN number: 3077  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Fungicide, containing Mancozeb (ISO) and Cymoxanil)  
Transport hazard class(es): 9  
Packing group: III  
Hazard label: 9

Limited quantity Passenger:  Y956 /30 kg  
IATA-packaging instructions – Passenger: 956  
IATA-max. quantity – Passenger: 400 kg  
IATA-packaging instructions – Cargo: 956  
IATA-max. quantity – Cargo: 400 kg

### Environmental hazards

Dangerous for the environment: yes



## 15. REGULATORY INFORMATION

### 15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

### 15.2 Chemical Safety Assessment :

CSR not relevant as actives are covered by Plant Protection Directive (PPD) 91/414/EEC

## 16. OTHER INFORMATION

### Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

RID = Regulations concerning the International Transport of Dangerous Goods by Rail

ADN = European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC = Code International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service



# SAFETY DATA SHEET

## MOXIMATE 725 WG

**Page:** Page 10 of 10

**Ref:** IIL/MOX/03725/1

**Revision date:** 07/04/2015

**Issue Date:** 26/03/2013

Safety Data Sheet according to  
Regulation (EC) No. 1907/2006

**EN = European norm**

**ISO = International Organization for Standardization**

**VOC = Volatile organic compound**

**PBT = Persistent Bioaccumulative and Toxic**

**vPvB = Very Persistent and very Bio-accumulative**

**bw = body weight**

**LD = Lethal dose**

**LC = Lethal concentration**

**EC = Effect concentration**

**IC = Median immobilisation concentration or median inhibitory concentration**

**NOEC = No Observed Effect Concentration**

**NOEL= No Observed Effect Level**

**NOAEL = No Observed Adverse Effect Level**

a.i – active ingredient

ha – hectar (10,000 square meters)

### **Full text of Hazard Statements:**

H302 Harmful if swallowed

H317 May cause an allergic skin reaction

H361fd Suspected of damaging fertility. Suspected of dam- aging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H411 Toxic to aquatic life with long lasting effects.

### **Full text of Risk Phrases:**

R63: Possible risk of harm to the unborn child

R48/22: Harmful: danger of serious damage to health by prolonged exposure if swallowed

R43 May cause sensitisation by skin contact

R50 Very toxic to aquatic organisms

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### **Note:**

The given data for the formulation in Sections 11 and 12 (where indicated “similar product”) are derived from the Plant Protection Product Moximate 725 WP.

### **DISCLAIMER:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company, Indofil Industries Limited shall not be held liable for any damage resulting from handling or from contact with the above product.