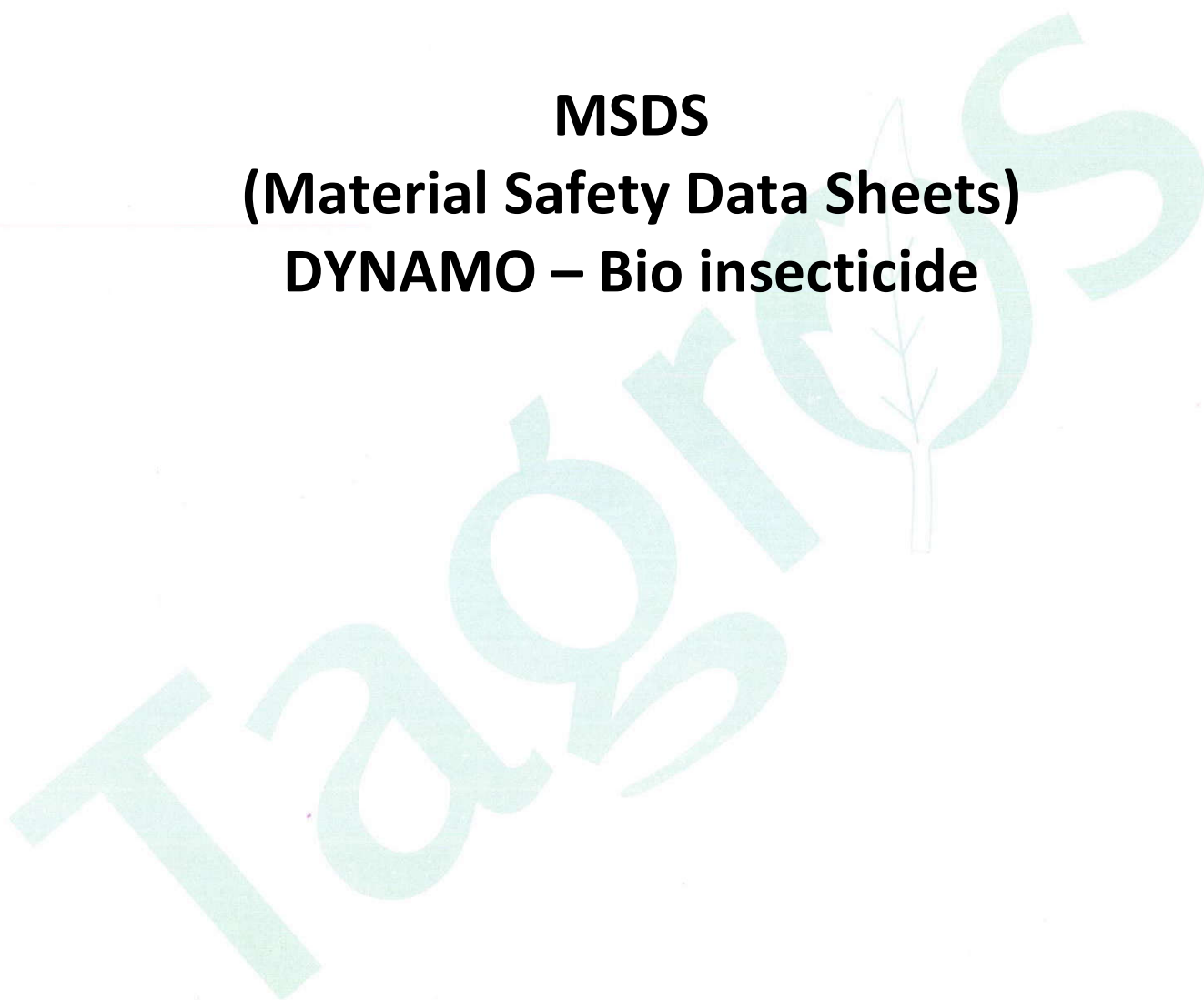


**MSDS**  
**(Material Safety Data Sheets)**  
**DYNAMO – Bio insecticide**



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

**Product Name** : DYNAMO- Bio Insecticide  
**Product Information** : Beauveria bassiana is Entamopathogenic fungi containing  
beauveria bassiana spores  
**Company Name** : TAGROS CHEMICALS INDIA LTD  
**Address** : Jhaver centre, Raja Annammalai building  
IV floor, 72, Marshalls Road,  
Egmore, Chennai 600 008. India.  
**Phone No.** : +91-44-42007400  
**Email** : info@tagros.com

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

*Beauveria bassiana* (Spores & Nutrient Medium residues) : 1.15% w/w  
Spore count CFU/g : (1X10<sup>8</sup> min.)  
Carrier (Talc Powder) : 90.85% w/w  
Moisture : 8.00% w/w  
Total -----  
100.00% w/w  
-----

### 3. HAZARDS IDENTIFICATION

Emergency Overview : No known health hazards  
Primary Entry Routes : Oral (swallowing), Inhalation  
Acute Effects (Signs and Symptoms of Overexposure):  
Eyes : Liquid may cause mechanical irritation of eyes  
Skin : No known hazard  
Inhalation : Inhalation of large amounts may cause discomfort  
Ingestion : No known hazard  
Chronic Effects : No known hazards  
Medical Conditions Aggravated by Exposure : None known  
Target Organs : None  
Carcinogenicity : None  
HMIS : Health – 0, Flammability – 0, Reactivity – 0

## 4. FIRST AID MEASURES

If poisoning is suspected, immediately contact a physician, the nearest Hospital or the nearest Poison Control Centre. Tell the person contacted the complete product name and the type and amount of exposure. Describe any symptoms and follow the advice given.

**Inhalation:** Material may be irritating to mucous membranes and upper respiratory tract. Move patient into fresh air. Treat symptomatically. Seek medical advice if symptoms persist.

**Ingestion:** Nausea and stomach pain may occur. Wash out mouth with water. Consult a doctor.

**Skin contact:** There may be mild irritation at the site of contact. Wash immediately with plenty of soap and water.

**Eye contact:** There may be irritation and redness. Bathe the eye with running water for 15 minutes.

## 5. ACCIDENTAL RELEASE MEASURES

**Leak and spill procedures:** Wear safety glasses with side shields or protective goggles, rubber gloves, rubber boots, long sleeved shirts, long pant, head covering and dust or pesticide respirator with a dust filter. For small spills, sweep up, keeping dust to a minimum and place in an approved chemical container. Wash the spill area with water containing detergent, absorb with absorbent material. Seal the container and handle in an approved manner.

## 6. FIREFIGHTING MEASURES

Flash Point : None

Autoignition Temperature : Not Applicable

Explosive Limits : LEL: Not Applicable

UEL: Not Applicable

Extinguishing Media : Use media suitable for surrounding fire

Unusual Fire or Explosive Hazards : Not Known

Fire Fighting Instructions : No special requirement

## 7. HANDLING AND STORAGE

Storage Requirements : Store in original container in clean, cool and dry place. Use before expiration date printed on package.

Handling Precautions : No special handling requirements. Follow normal hygienic and housekeeping standards for agricultural products

## 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

Ventilation : Special ventilation is not required

Protective Clothing / Equipment : No special requirement

Respirator : Not required

Contaminated Equipment : Clean with soap and water

Comments : Practice general personal hygiene after using this product. Wash hands with soap and water before eating, drinking or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Powder

**Colour:** Pale yellow

**pH:** 5 – 8

**Melting Point:** Not applicable

**Flammable Limits:** Not available  
available

**Explosive Properties:** None reported for the ingredients used

**Oxidizing Properties:** Not applicable

**Density (g/ml): Liquid:** 1.03 approx.

**Solubility (Other):** Not applicable

**Form:** Powder

**Odour:** Slight characteristic odour

**Boiling Point:** Not applicable

**Flash Point:** Not applicable

**Auto Ignition Temperature:** Not

**Vapour Pressure (mm Hg):** Not relevant

**Solubility (Water):** Water soluble

**Partition Coefficient:** Not relevant

## 10. STABILITY AND REACTIVITY

Stability : Stable

Conditions to avoid : None Hazardous

Polymerization : Will not occur

Chemical Incompatibilities : Avoid contact with any chemical

Hazardous products of decomposition : None.

## 11. TOXICOLOGY INFORMATION

Eye Effects / Eye Irritation : Non-irritating

Acute Oral Effects : None

Acute Inhalation Effects : None

Acute Dermal Effects : None

Skin Irritation : Non-irritating

Skin Sensitization : Not a skin sensitizer

## 12. ECOLOGICAL INFORMATION

The product contains non-pathogenic bacterial strains that occur naturally in soil and is biodegradable.

## 13. DISPOSAL CONSIDERATIONS

Disposal: Small amounts of the product which cannot be used according to the label instructions may be disposed-off in a landfill

RCRA Waste Status: This product is not regulated as a hazardous waste. State and local regulation may affect the disposal of its product. Consult your state, local or provincial environmental agency for disposal of waste other than by use accordingly to instructions.

## 14. TRANSPORT INFORMATION

Transportation Data : This product is not regulated as a hazardous material for all mode of transportation

Hazard Class : Not Applicable

ID No : Not Applicable

## 15. REGULATORY INFORMATION

OSHA Hazard Classification : Non Hazardous

## 16. OTHER INFORMATION

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET IS ACCURATE. THIS INFORMATION ONLY RELATED TO THE ABOVE MENTIONED PRODUCT AND DOES NOT NEED TO BE VALID IF USED WITH OTHER PRODUCTS OR IN ANY PROCESS.

THIS MSDS CONTAINS IMPORTANT INFORMATION REGARDING HANDLING, STORAGE, USE OF THIS PRODUCT AND SAFE DISPOSAL CONSIDERATIONS. HOWEVER, TAGROS CHEMICALS INDIA LTD. ASSUMES NO RESPONSIBILITIES FOR THE ACCURACY OR COMPLETENESS OF THE DATA CONTAINED HEREIN. FINALLY THE USER IS RESPONSIBLE TO ENSURE THE DETERMINATION OF SUITABILITY OF ANY MATERIAL OF THE PRODUCT.

FOR ANY CLARIFICATION OR FURTHER INFORMATION, THE USER SHOULD CONTACT THIS COMPANY.

**THIS PRODUCT IS FOR AGRICULTURAL USE ONLY.**

