

# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 1/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## 1. MATERIAL/PREPARATION AND COMPANY/OWNER IDENTIFICATION:

### 1.1 Material/Preparation Identification:

**Product Name** : BEAMONT  
**Product Content** : LUFENURON 50g/L  
**Formulation Form** : EC (Emulsion Concentrate)  
**Cas No** : 103055-07-8  
**EC No** : 410-690-9  
**IRAC** : 15 benzoylurea

### 1.2 Usage of the Material/Preparation:

Insecticide

### 1.3 Company Identification:

#### Manufacturing and License Holding Company:

**Company Name** : AGRI SCIENCES TARIM VE ILAC UR. SAN. TIC. LTD. STI.  
**Address** : Bekir Saydam Caddesi Pancar No: 31 Torbali / IZMIR  
**Telephone** : +90 0232 864 13 33  
**Fax** : +90 0232 864 16 79

### 1.4 Emergency Contact Telephone:

In case of an emergency please call +90 0232 864 13 33.

# MATERIAL SAFETY DATA SHEET

<b>NAME OF MATERIAL/PREPARATION</b>	<b>BEAMONT</b>
-------------------------------------	----------------

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 2/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## 2. COMPOSITION AND INFORMATION ON INGREDIENTS:

Material	g/L	CAS No	EINECS/ ELINCS	Hazard	R <sup>1</sup>	Classification
Lufenuron	50	103055-07-8	410-690-9	Xi; Xn, N	R43, R48/22, R51/53	Xi; R43, N;R51/53
Solvesso 100	>600 g/L	63231-51-6		Xn,Xi	R10,R20/21,R38	-
Others*	Outside classification due to absence of hazardous material.					

- <sup>1</sup>R explanations are under section 16.

## 3. HAZARD IDENTIFICATION:



**Xi: Irritant**



**N: Dangerous for the Environment**

R43 : It may irritate in case of contact with skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## MATERIAL SAFETY DATA SHEET

<b>NAME OF MATERIAL/PREPARATION</b>	<b>BEAMONT</b>
-------------------------------------	----------------

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 3/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

#### 4. FIRST AID MEASURES:

**Symptoms of Poisoning:** The pesticide has no special poisoning indicators. Common symptoms include initial nausea, vomiting, stomachaches and diarrhea. Contact with the product may cause irritation in skin and eyes. Under normal conditions of usage Beamont does not constitute any acute poisoning risk.

**First Aid Measures:** In case you or another feel unwell or poisoned immediately stop the work or remove the patient from the application area, and to open air in case the work is performed in closed space. Any coveralls, clothes etc. which came into contact with the pesticide should be removed and any parts of the body which came into contact with the pesticide should be washed with plenty of soap and water. In case there was any pesticide contact with eyes, wash the eyes with plenty of slowly flowing clean water for 15 minutes. In case the pesticide is inhaled get the patient to open air and if the patient is not breathing CPR should be performed. In case the pesticide is swallowed do not try to induce the patient to vomit. Do not give anything to the patient in case the patient is unconscious. If necessary, take the patient to a physician and show this container or label.

**Antidote and Treatment:** Stomach should be pumped, taking care not to let the stomach content to leak into the trachea. There is no special antidote for the product. It should be treated in accord with symptoms.

#### 5. FIRE FIGHTING MEASURES

**Personal Protective Equipment:** Do not inhale the fumes generated during the explosion or fire. If available, use air-independent respiratory mask during the fire.

**Dangers:** Consider the dangerous fumes such as hydrogen chloride or carbon monoxide occurred during the fire.

**Extinguishers:** Foam, CO<sub>2</sub>, fire extinguishing powder.

**Other Details:** Take the product away from fire place. Cool the containers with water. If available, use earth or sand after using fire extinguishing liquid.

## MATERIAL SAFETY DATA SHEET

NAME OF MATERIAL/PREPARATION

BEAMONT

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 4/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

### 6. ACCIDENTAL RELEASE MEASURES:

**General Information:** Please use the personal protection equipment defined under Section 8.

**Personal Precautions:** Do not touch spilled product or contaminated surfaces. Do not eat, drink or smoke while handling spilled product.

**Clean-up Methods:** The spilled material should be collected with a liquid retaining material (for instance; absorbent sand, sawdust, chemical binder). Place the product into tightly sealed plastic containers and store it in a safe place until it is disposed. Contaminated materials and surfaces should be cleaned in compliance with environmental regulations. The spilled material should be prevented from reaching sewage or running water. If waste is mixed with water, the authorities must be notified.

**Additional Precautions:** Refer to Section 7 for safe handling instructions. Refer to Section 8 for personal protections equipment. Refer to Section 13 for disposal.

### 7. HANDLING AND STORAGE

**Handling** : Please use the personal protection equipment specified under Section 8. Do not eat or drink while using. Prevent contact with mouth, skin and eyes. Do not inhale. Thoroughly wash your hands after using. Other security precautions are not required other than warnings stated regarding use of closed package. Only use in closed spaces where there is a local aspiration device.

**Storage** : Keep in original package in a cool, dry and well ventilated place. Keep away from food and animal feed items. Keep away from direct sunlight. Protect against freezing. Keep it away from the reach of children. Storage temperature: 0-30 °C.

# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 5/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Precautions:** Ensure appropriate general or local ventilation to keep the product concentration under allowed limits.

**Personal Protection Equipment:**

**Eye** : Use eye protection equipment compliant with EN 166.

**Skin** : Use protective clothing and appropriate gloves. Use 2 layers of clothing, if possible. Use CE marked Nitrile Rubber (min. 0.40 mm thick). Contaminated gloves should be washed. Any gloves that cannot be cleaned inside and outside should be disposed.

**Respiratory** : Use respiratory apparatuses compliant with EN 149:2001. Any respiratory protection apparatus should only be used for short term operations, as a part of risk minimization measures, e.g. in case of local ventilation. Comply with operation instructions and warnings of the manufacturer during use of respiratory protection apparatuses.

**Hygiene Measures:** Do not eat, drink or smoke while handling the product. Wash your hands each time before eating, drinking, smoking or going to the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form** : Liquid

**Color** : Yellowish clear

**Odor** : Aromatic

**Density** :  $0.92 \pm 0,05 \text{ g/cm}^3$  (20°C)

**pH** : 5-9 (solution with water %10)

# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 6/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## 10. STABILITY AND REACTIVITY

**Conditions to be avoided** : Extreme degrees and direct sun light  
**Materials to be avoided** : Keep away from strong acids and alkalis.  
**Dangerous reaction** : There is no dangerous reaction in appropriate storage and usage. Toxic and irritant fumes may occur as a result of fire or thermal degradation. It is resistant in specified storage conditions. No dangerous polymerization products.

## 11. TOXICOLOGICAL INFORMATION

### Lufenuron Technical Material:

Acute Oral LD<sub>50</sub> female and male rat >2000 mg/kg

Eye and skin Acute percutaneous LD<sub>50</sub> female and male rat >2000 mg/kg. It is not irritant to eyes and skin (rabbit)

Inhalation LC<sub>50</sub> (4 h, 20°C) female and male rat >2,35 mg/l air.

NOEL (2 years) female and male rat 2.0 mg/kg b.w. daily. ADI/RfD (EC) 0.015 mg/kg b.w. (2008).

Toxicity class WHO (a.i) III

## 12. ECOLOGICAL INFORMATION

### Lufenuron Technical Material:

Birds Acute Oral LD<sub>50</sub> bobwhite quail and mallard ducks >2000 mg/kg.

LC<sub>50</sub> (8 days) bobwhite quail and mallard ducks >5200 mg/kg diet.

Fish LC<sub>50</sub> (96 hours) rainbow trout >73 mg/l

Daphnia EC<sub>50</sub> (48 h) >1.11 ug/l.

Algae *Pseudokirchnerella subcypitata* EC<sub>50</sub> green alga 10 mg/l

Bee LD<sub>50</sub> (oral) > 197 µg /bee; LD<sub>50</sub> (topical) >200 µg /bee

## 13. DISPOSAL INFORMATION

# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 7/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

**Product** : Do not dispose it together with household wastes. Waste residue should not be spilled into wastewater canals. Any product wastes should be disposed of in compliance with Hazardous Wastes Control Regulations.

**Contaminated Materials** : Empty containers should not be used for other products. Completely emptied and rinsed containers should be disposed in compliance with regulations. Non-clearable containers should be disposed of as hazardous materials.

## 14. TRANSPORTATION INFORMATION

**ADR/RID/ADNR**

**UN-No.** : 3351

**Hazard Mark** : 6.1

**Packing Group** : III

**Product type** : UN 3351 Pretroid- Pesticide, liquid, toxic, can be inflammable.

Flash point 23 °C or higher (Lufenuron/Solvesso 100 mixture)

**IMDG**

**UN-No.** : 3351

**Class** : 6.1

**Packing Group** : III

**EMS** : F-E,S-D

**Marine Pollutant** : Yes

**Product Type** : UN 3351 Pretroid - Pesticide, liquid, toxic can be inflammable.

Flash point 23°C or higher (Lufenuron/Solvesso 100 mixture)

**IATA**

**UN-No.** : 3351

**Class** : 6.1

**Packing Group** : III

**Product Type** : UN 3082 Pretroid - Pesticide, liquid, toxic can be inflammable.

Flash point 23°C or higher (Lufenuron/Solvesso 100 mixture)



# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 8/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## 15. REGULATORY INFORMATION

This data sheet is prepared based on regulation on preparation and distribution of safety data sheets about hazardous materials and preparations (O.G. issue no 27092 dated 26/12/2008).

### Hazard Marks and Symbols:



**Xn: Harmful**



**N: DANGEROUS FOR THE ENVIRONMENT**

### Hazardous Materials Listed on the Label

Includes Lufenuron and Solvesso 100

### Risk Phrases:

#### Physicochemical: -

#### Health :

R43 : It may irritate in case of contact with skin.

#### Environment :

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



# MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 9/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

## **Safety Phrases:**

S1/2: Keep locked up and out of the reach of children.

S24: Avoid contact with skin.

S29: Do not empty into drains

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

S57: Use appropriate containment to avoid environmental contamination.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

Toxicity class WHO (a.i) III

## **Important Labeling:**

Follow instructions to avoid personal and environmental risks.

## **16. OTHER INFORMATION**

N : Harmful for the environment

Xi : Irritant

Xn : Harmful

### **All Risk Phrases under Section 2:**

R10 : Flammable.

R36/38: Irritating to eyes and skin.

R43 : Irritating to eyes and skin

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

R50 : Very toxic to aquatic organisms.

R53 : May cause long-term adverse effects in the aquatic environment.

## MATERIAL SAFETY DATA SHEET

**NAME OF MATERIAL/PREPARATION**

**BEAMONT**

Date of Preparation	18/10/2011
Date of Issue	21/10/2011
MSDS No	FORM_MSDS_R&D_044_00
Renewal Date/No	

Page No: 10/10

PREPARED BASED ON REGULATION ON PREPARATION AND DISTRIBUTION OF SAFETY DATA SHEETS ABOUT HAZARDOUS MATERIALS AND PREPARATIONS (O.G. issue no 27092 dated 26/12/2008).

**Date of Preparation** : 18/10/2011  
**Date of Issue** : 21/10/2011  
**MSDS No** : FORM\_MSDS\_R&D\_044\_00  
**Renewal Date/No** : -  
**Prepared By** : Secil CANAYAKIN

This material safety data sheet is provided as a supplement to instructions of manufacturer; however it does not replace instructions of manufacturer. The information provided in this sheet only conforms to the regulatory criteria known at the time of the preparation of Safety Data Sheet. Required data are gathered in accord with "Regulation on Preparation and Distribution of Safety Data Sheets about Hazardous Materials and preparations (O.G. issue no 27092 dated 26/12/2008)". Concerned organizations and persons are invited to comply with the abovementioned regulation.