

# Material Safety Data Sheet



Version No	Date	Reason for Revision
1	30/5/07	First issue

**1.1 PRODUCT IDENTIFICATION:** BioLure Unipak™ (BF 546001)

**1.2 PRODUCT USE:** Insect Lure

**1.3 COMPANY:** AgriSense BCS Ltd, Treforest Industrial Estate, Pontypridd, CF37 5SU, UK  
Prepared by: Mr A Taylor (adrian.taylor@agrisense.co.uk)

**1.4 EMERGENCY TELEPHONE:** (0044) 1443 841155 (Only manned during UK office hours)

**2.0 HAZARD IDENTIFICATION:** **RISK PHRASES (R)** R36/37/38 – Irritating to eyes, respiratory system and skin **Xi**

**3.0 COMPOSITION:** The active ingredients are contained in a controlled release device which helps to reduce the identified hazards

CHEMICAL NAME	OTHER NAMES	Approx w/w %	Hazard	CAS	EC / EINECS
Trimethylamine hydrochloride	Trimethylammonium chloride	15%	R 36/37/38	593-81-7	209-810-0
Ammonium acetate	Acetic acid, ammonium salt	36%	R 36/37/38	631-61-8	211-162-9
1,4-diaminobutane	Putrescine	>0.003%	R11, R21/22, R34	110-60-1	203-782-3
Water		12%			
Inert Material		37%			

## 4.0 FIRST AID MEASURES

### CONTACT WITH SKIN

Wash hands thoroughly after handling dispensers. If irritation occurs seek medical advice. (S28)

### CONTACT WITH EYES

Rinse eyes with copious amounts of water for at least 15 minutes. If irritation occurs seek medical advice (S26)

### INGESTION

Rinse out mouth with water. Do not induce vomiting. If feeling unwell after ingestion occurs seek medical advice (S62)

### INHALATION

If adverse effects are felt, remove patient to fresh air. If symptoms persist seek medical advice (S63)

### OTHER INFORMATION

If further safety data information is required, please contact AgriSense BCS Ltd

## 5.0 FIRE FIGHTING MEASURES

In case of fire, use water, CO<sub>2</sub> or dry powder. Combustion products include carbon monoxide, carbon dioxide and nitrogen oxides. Wear self contained breathing apparatus and protective clothing.

## 6.0 ACCIDENTAL RELEASE MEASURES

In case of spillage, collect dispensers, seal in a suitable container and remove for disposal. Dispensers should be collected and disposed of in accordance with local, state or national legislation. The use of gloves is recommended. Avoid contamination of soil, water sources and sewers.

## 7.1 HANDLING

Do not open packaging until time of use. Do not eat, drink or smoke when handling the product (S20/21). Wash hands thoroughly after handling (S28). The use of gloves is recommended.

## 7.2 STORAGE

Keep only in the original packaging in a cool, dry, well ventilated place (S3/9/49). Store away from heat and out of direct sunlight. Avoid moisture.

## 8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Exposure Limits

No exposure limits are defined. The active ingredients are contained in a controlled release device which helps to reduce the identified hazards. Avoid skin and eye contact, ingestion and inhalation of vapour

### 8.2 Exposure Controls

#### 8.2.1 Occupational Exposure Controls

Under normal use, personal protection procedures are limited to normal personal and industrial hygiene practices. Ensure adequate ventilation. The use of gloves is recommended.

Treforest Industrial Estate, Pontypridd, South Wales, CF37 5SU, UK

Tel:+44 (0)1443 841155 Fax:+44 (0)1443 841152 [mail@agrisense.co.uk](mailto:mail@agrisense.co.uk) [www.agrisense.co.uk](http://www.agrisense.co.uk)

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## 8.2.2 Environmental Exposure Controls

Environmental protection procedures are limited to normal domestic and industrial practices. Avoid contamination of soil, water sources and sewers.

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White plastic dispenser  
Odour: Fishy, ammoniacal  
Flash Point : >62 °C  
Solubility in water: Soluble (contents of dispenser)

## 10.0 STABILITY AND REACTIVITY

### 10.1 Conditions to Avoid

Stable under normal temperature and pressure conditions.

### 10.2 Materials to Avoid

Strong acids, strong oxidising agents

### 10.3 Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, nitrogen oxides, ammonia.

## 11.0 TOXICOLOGICAL INFORMATION

Although no specific data exists for the dispenser, the active ingredients are contained in a controlled release device which helps to reduce the identified hazards.

Ammonium acetate (neat)	LD <sub>50</sub> (rat) intraperitoneal	632 mg / Kg
Trimethylamine hydrochloride (neat)	LD <sub>50</sub> (mouse) intravenous	325 mg / Kg

## 12.0 ECOLOGICAL INFORMATION

No specific data exists for the dispenser. Avoid contamination of soil, water sources and sewers.

## 13.0 DISPOSAL CONSIDERATIONS

Traps should be collected and disposed of in accordance with local, state or national legislation.

## 14.0 TRANSPORT REGULATIONS

ROAD: Not classified as dangerous  
SEA: Not classified as dangerous  
AIR: Not classified as dangerous

## 15 REGULATORY INFORMATION



**Xi – Irritant**

R36/37/38	Irritating to eyes, respiratory system and skin
S28	Wash hands thoroughly with soap and water after handling
S20/21	When using do not eat, drink or smoke

## 16 OTHER INFORMATION

If further safety data information is required, please contact AgriSense BCS Ltd

TO THE BEST OF OUR KNOWLEDGE THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT CLAIM TO BE ALL-INCLUSIVE AND SHOULD BE USED ONLY AS A GUIDE. ALL MATERIAL MAY PRESENT UNKNOWN HEALTH HAZARDS AND SHOULD BE USED WITH CAUTION. AGRISENSE BCS LTD SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OF, OR CONTACT WITH, THE ABOVE PRODUCT

Treforest Industrial Estate, Pontypridd, South Wales, CF37 5SU, UK  
Tel:+44 (0)1443 841155 Fax:+44 (0)1443 841152 [mail@agrisense.co.uk](mailto:mail@agrisense.co.uk) [www.agrisense.co.uk](http://www.agrisense.co.uk)

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