



ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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**1.1 Product identifier**

|                        |                                  |
|------------------------|----------------------------------|
| Product Name           | Formamidineum bromide            |
| Synonyms               | FABr, Formamidine hydrobromide   |
| Chemical Name          | Formamidineum bromide            |
| Chemical Formula       | CH <sub>5</sub> BrN <sub>2</sub> |
| Product code           | M561 and M562                    |
| CAS No.                | 146958-06-7                      |
| EC No.                 | Not available.                   |
| REACH Registration No. | Not applicable.                  |

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s) PC21 Laboratory chemicals

**1.3 Details of the supplier of the safety data sheet**

|                        |   |
|------------------------|---|
| Company Identification | Ossila Limited                                      |
| Address of Supplier    | Solpro Business Park<br>Windsor Street<br>Sheffield |
| Postal code            | S4 7WB, UK  |
| Telephone:             | +441142999180                                       |
| E-mail                 | info@ossila.com                                     |
| Office hours           | 08:00 - 17:00                                       |

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SECTION 2: HAZARDS IDENTIFICATION

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**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.2 Label elements**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

Not applicable.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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**3.1 Substances**

No components need to be disclosed according to the applicable regulations.

**3.2 Mixtures**

Not applicable.

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SECTION 4: FIRST AID MEASURES

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**4.1 Description of first aid measures**

|              |  |
|--------------|--|
| Inhalation   | Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.      |
| Skin Contact | Rinse skin with water. If skin irritation occurs, get medical advice/attention.                                      |
| Eye Contact  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion    | Rinse out mouth with water. Get medical advice/attention if you feel unwell.   |

**4.2 Most important symptoms and effects, both acute and delayed**

SECTION 11: Most important symptoms and effects, both acute and delayed

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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SECTION 5: FIREFIGHTING MEASURES

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**5.1 Extinguishing media**

|                                |                                      |
|--------------------------------|--------------------------------------|
| Suitable Extinguishing media   | As appropriate for surrounding fire. |
| Unsuitable extinguishing media | As appropriate for surrounding fire. |

**5.2 Special hazards arising from the substance or mixture**

May decompose in a fire, giving off toxic and irritant vapours.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.




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**SECTION 6: ACCIDENTAL RELEASE MEASURES**


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

Provide adequate ventilation. Wear protective clothing as per section 8.

**6.2 Environmental precautions**

Avoid release to the environment.

**6.3 Methods and material for containment and cleaning up**

Sweep up spilled substance but avoid making dust. Use vacuum equipment for collecting spilt materials, where practicable. Dispose of contents in accordance with local, state or national legislation.

**6.4 Reference to other sections**

See Also Section 8, 13.

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**SECTION 7: HANDLING AND STORAGE**


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**7.1 Precautions for safe handling**

Avoid breathing dust/aerosols. Use only in a well-ventilated area. Wear protective clothing as per section 8.

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

Store in a well-ventilated place. Keep container tightly closed.

Storage temperature

Ambient.

Storage life

Product is air and moisture sensitive. Product is hygroscopic. Store under inert gas.

Incompatible materials

None known.

**7.3 Specific end use(s)**

Not known. See Section: 1.2.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**


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**8.1 Control parameters**

## 8.1.1 Occupational Exposure Limits

No Occupational Exposure Limit assigned.

**8.2 Exposure controls**

## 8.2.1. Appropriate engineering controls

Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

## 8.2.2. Personal protection equipment

Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

Normally no personal respiratory protection is necessary.



Thermal hazards

None known.



8.2.3. Environmental Exposure Controls Avoid release to the environment.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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**9.1 Information on basic physical and chemical properties**

Appearance

Solid powder/crystals

Colour: White

Odour

Not known.

Odour threshold

Not known.

pH

Not known.

Melting point/freezing point

133-140 °C (lit.)

Initial boiling point and boiling range

Not known.

Flash Point

Not known.

Evaporation rate

Not known.



|  |   |
|--|---|
| Flammability (solid, gas)                    | Not known.  |
| Upper/lower flammability or explosive limits | Not known.  |
| Vapour pressure                              | Not known.  |
| Vapour density                               | Not known.  |
| Density (g/ml)                               | Not known.  |
| Relative density                             | Not known.  |
| Solubility(ies)                              | Solubility (Water): Not known.<br>Solubility (Other): DMF, DMSO, water. |
| Partition coefficient: n-octanol/water       | Not known.  |
| Auto-ignition temperature                    | Not known.  |
| Decomposition Temperature (°C)               | Not known.  |
| Viscosity                                    | Not known.  |
| Explosive properties                         | Not known.  |
| Oxidising properties                         | Not known.  |
| <b>9.2 Other information</b>                 | None.   |

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**SECTION 10: STABILITY AND REACTIVITY**


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|--|--|
| <b>10.1 Reactivity</b>                         | None anticipated.                          |
| <b>10.2 Chemical Stability</b>                 | Stable under normal conditions.            |
| <b>10.3 Possibility of hazardous reactions</b> | Not known.                                 |
| <b>10.4 Conditions to avoid</b>                | Not known.                                 |
| <b>10.5 Incompatible materials</b>             | Not known.                                 |
| <b>10.6 Hazardous decomposition products</b>   | No hazardous decomposition products known. |

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**SECTION 11: TOXICOLOGICAL INFORMATION**


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|  |                 |
|--|-----------------|
| <b>11.1 Information on toxicological effects</b> |                 |
| Acute toxicity - Ingestion                       | Not classified. |
| Acute toxicity - Skin Contact                    | Not classified. |
| Acute toxicity - Inhalation                      | Not classified. |
| Skin corrosion/irritation                        | Not classified. |
| Serious eye damage/irritation                    | Not classified. |
| Skin sensitization data                          | Not classified. |
| Respiratory sensitization data                   | Not classified. |
| Germ cell mutagenicity                           | Not classified. |
| Carcinogenicity                                  | Not classified. |
| Reproductive toxicity                            | Not classified. |
| Lactation  | Not classified. |
| STOT - single exposure                           | Not classified. |
| STOT - repeated exposure                         | Not classified. |
| Aspiration hazard                                | Not classified. |
| <b>11.2 Other information</b>                    | Not known.      |

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**SECTION 12: ECOLOGICAL INFORMATION**


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|--|-----------------|
| <b>12.1 Toxicity</b>                           |                 |
| Toxicity - Aquatic invertebrates               | Not known.      |
| Toxicity - Fish                                | Not known.      |
| Toxicity - Algae                               | Not known.      |
| Toxicity - Sediment Compartment                | Not classified. |
| Toxicity - Terrestrial Compartment             | Not classified. |
| <b>12.2 Persistence and Degradation</b>        | Not known.      |
| <b>12.3 Bioaccumulative potential</b>          | Not known.      |
| <b>12.4 Mobility in soil</b>                   | Not known.      |
| <b>12.5 Results of PBT and vPvB assessment</b> | Not known.      |

**12.6 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimor or incinerator.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

IATA/IMO/RID/ADR

Not classified as hazardous for transport.

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

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

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

**National regulations**

Other Not known.

**15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

## Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
 CAS : Chemical Abstracts Service  
 CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
 DNEL : Derived No Effect Level  
 EC : European Community  
 EINECS : European Inventory of Existing Commercial Chemical Substances  
 IATA : International Air Transport Association  
 IBC : Intermediate Bulk Container  
 ICAO : International Civil Aviation Organization  
 IMDG : International Maritime Dangerous Goods  
 LTEL : Long term exposure limit  
 PBT : Persistent, Bioaccumulative and Toxic  
 PNEC : Predicted No Effect Concentration  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
 STEL : Short term exposure limit



STOT : Specific Target Organ Toxicity  
UN : United Nations  
vPvB : very Persistent and very Bioaccumulative

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