

**L-ARABINOSE****ARA01 – ARA10****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Raw material  
Product code : ARA1 – ARA10  
Trade name : L-Arabinose  
CAS number : 147-81-9  
EINECS No. / ELINCS No. : 205-699-8  
Molecular Weight : 150.13 g/mol

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

1.2.1 Relevant identified uses : For research purposes only  
1.2.2 Uses advised against No additional information available

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

Company identification : Formedium Ltd.  
King's Lynn, England, PE31 6DJ  
Tel: +44(0)1485 609069  
Web: www.Formedium.com  
E-mail: info@formedium.com

**1.4. Emergency telephone number**

Emergency telephone number : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)  
NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

**SECTION 2 Hazards identification****2.1. Classification of the substance or mixture**

:  
**Classification according to Regulation (EC) No 1272/2008**

Not regulated

**2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008**

Hazards pictograms code : None  
Precautionary statements : None

**2.3 Other hazards**

None under normal conditions.

∴

**L-ARABINOSE****ARA01 - ARA10****SECTION 3 Composition/information on ingredients****Components** : This product is not classified as hazardous.

Substance name:	Contents	CAS No:	EC No:
L-Arabinose	99%	147-81-9	205-699-8

**SECTION 4 First aid measures****4.1. Description of first aid measures**

- General information** : No hazards which require special first aid measures.  
Never give anything by mouth to an unconscious person.
- Inhalation** : Remove victim to fresh air.
- Skin contact** : Wash with water and soap as a precaution.
- Eye contact** : Flush eyes with water as a precaution.
- Ingestion** : If a person vomits when lying on their back, place them in the recovery position.  
Never give anything by mouth to an unconscious person.  
Drink water as a precaution.

**4.2. Most important symptoms and effects, both acute and delayed****Symptoms and effects, both acute and delayed.** : No data available.**4.3. Indication of any immediate medical attention and special treatment needed****Medical attention and special treatment needed.** : No data available.**SECTION 5 Fire-fighting measures****5.1. Extinguishing media****Suitable extinguishing media** : Water spray, alcohol-resistant foam, dry chemical or Carbon Dioxide.**Extinguishing media which shall not be used for safety reasons** : High volume water jet**5.2. Special hazards arising from the substance or mixture****Specific hazards during fire-fighting** : Do not use a solid water stream as it may scatter and spread fire.**5.3. Advice for firefighters**

- Special protective equipment for fire-fighters** : In the event of fire, wear self-contained breathing apparatus.
- Further information** : In the event of fire and/or explosion do not breathe fumes.  
Use water spray to cool unopened containers.

**L-ARABINOSE****ARA01 – ARA10****SECTION 6 Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** : Ensure adequate ventilation.  
Avoid dust formation.

**6.2 . Environmental precautions**

**Environmental precautions** : No special environmental precautions required.

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

**Clean up methods** : Pick up and transfer to properly labelled containers.  
Use mechanical handling equipment.

**Additional advice** : Pick up and arrange disposal without creating dust.  
Use mechanical handling equipment.

**6.4. Reference to other sections**

For personal protection see section 8.

**SECTION 7 Handling and storage****7.1. Precautions for safe handling**

**Advice on safe handling** : No special precautions required.  
For personal protection see section 8.

**Advice on protection against Fire and explosion.** : Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.  
Provide appropriate exhaust ventilation at places where dust is formed.  
During processing, dust may form explosive mixture in air.  
Avoid formation of dust and aerosols.  
When using do not smoke.

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

**Storage area and containers** : Store in a dry, cool place.  
Store in original container.  
To maintain product quality, do not store in heat or direct sunlight.

**Advice on common storage** : No special restrictions on storage with other products.

**Other data** : Keep in a dry place.

**7.3. Specific end use(s)**

**Specific end use(s)** : For research purposes only

**SECTION 8 Exposure controls/personal protection****8.1. Control parameters**

None

**8.2. Exposure controls**

- **Eye protection** : Safety glasses.
- **Skin protection** : Wash skin after contact.
- **Hand protection** : For prolonged or repeated contact use chemical-resistant gloves  
e.g. safety gloves of chloroprene Level 2 or butyl rubber Level 6.
- **Respiratory protection** : Effective dust mask.
- **Hygiene measures** : Wash hands before breaks and immediately after handling the product.  
General handling hygiene practice.
- **Protective measures** : Avoid contact with skin.  
When using do not eat, drink or smoke.

**L-ARABINOSE****ARA01 – ARA10****SECTION 9 Physical and chemical properties****9.1. Information on basic physical and chemical properties****Safety data**

<b>Form</b>	: Powder
<b>Colour</b>	: White
<b>Odour</b>	: characteristic
<b>Odour threshold</b>	: No data available
<b>Flash point (°C)</b>	: Not applicable
<b>Solubility in water</b>	: Completely miscible
<b>Relative Density</b>	: No data available
<b>Bulk Density</b>	: < 1.500 kg/m3
<b>Relative vapour density (air = 1)</b>	: Not applicable
<b>Vapour pressure</b>	: No data available
<b>Melting point / Freezing point</b>	: Melting point / range ca 155°C
<b>Boiling point (°C)</b>	: No data available.
<b>Partition coefficient: n-octanol / water</b>	: log Pow : not determined
<b>pH</b>	: Not determined
<b>Evaporation rate</b>	: No data available
<b>Flammability (solid, gas)</b>	: Not classified as flammable
<b>Auto ignition temperature (°C)</b>	: Not classified as self heating
<b>Decomposition temperature</b>	: No data available
<b>Oxidising properties</b>	: Not classified as oxidizing
<b>Explosive properties</b>	: Not classified as explosive
<b>Lower explosion limit</b>	: Dust can form an explosive mixture in air
<b>Upper explosion limit</b>	: Dust can form an explosive mixture in air

A final assessment of potential explosion hazards can only be made on a case-by-case basis when precise information is available on product handling, production setup and the circumstances surrounding the use of the product.

**9.2. Other information****No additional information available**

**L-ARABINOSE****ARA01 – ARA10****SECTION 10 Stability and reactivity****10.1. Reactivity**

No data available.

**10.2 Chemical stability**

No data available.

**10.3. Possibility of hazardous reactions**

Dust may form explosive mixture in air.

**10.4. Conditions to avoid**

No data available.

**10.5. Incompatible materials to avoid**

No data available.

**10.6. Hazardous decomposition products**

No data available.

**SECTION 11 Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity** : No data available**Acute inhalation toxicity** : No data available**Acute dermal toxicity** : No data available**Repeated dose toxicity** : No data available**Acute toxicity (other routes of administration)** : No data available**Skin irritation** : No data available**Eye irritation** : No data available**Sensitisation** : No data available**Mutagenicity** : No data available**Carcinogenicity** : No data available**Reproductive toxicity** : No data available**Teratogenicity** : No data available**Specific target organ toxicity – single exposure** : No data available**Specific target organ toxicity – repeated exposure** : No data available**Aspiration toxicity** : No data available**11.2. Additional Information****Endocrine disrupting properties :**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**L-ARABINOSE****ARA01 – ARA10****SECTION 12 Ecological Information****12.1. Toxicity**

No data available.

**12.2. Persistence and degradability**

No additional information available.

**12.3. Bioaccumulative potential**

No additional information available.

**12.4. Mobility in soil**

No additional information available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**12.7. Endocrine disrupting properties**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 13 Disposal considerations****13.1. Waste treatment methods****Product**

: Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of in compliance with local regulations.

**Contaminated packaging**

: Empty remaining contents.

Dispose of as unused product.

**SECTION 14 Transport information****14.1. UN Number**

Not applicable

: Not classified as dangerous in the meaning of transport regulations.

**General information****14.2. UN Proper shipping name**

Not applicable.

**14.3. Transport Hazard Class(es)**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

**L-ARABINOSE****ARA01 – ARA10****SECTION 15 Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

**15.2. Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**SECTION 16 Other information****Further information**

: 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 information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

**Revision**

: Complete SDS revision

**End of document**