

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.

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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**

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