

Non-hazardous according to criteria of NOHSC Australia.

## 1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product name **Elast-Eon™ Material**

Synonyms / Other Names	Material Grade	Synonyms / Other Names	Material Grade
Elast-Eon™ 4 (E4)		Elast-Eon™ 2As (E2As)	
Elast-Eon™ 2 (E2-852)		Elast-Eon™ 5-325 (E5-325)	
Elast-Eon™ 2 (E2-152)		Elast-Eon™ 5 (E5-130)	
Elast-Eon™ 2 (E2-945)		Elast-Eon™ 5 (E5-135)	
Elast-Eon™ 2A (E2A)		Elast-Eon™ 2-860 (E2-860)	

Recommended Use **Extrusion / Injection moulding / Dip Moulding / Solvent Coating**

### SUPPLIER INFORMATION

Name Aortech Biomaterials  
ACN 079 265 286  
Street Address 1 Dalmore Drive, Caribbean Park, Scoresby VIC 3179  
Telephone + 613 9780 1700  
Facsimile + 613 9780 1777

Emergency telephone number +613 9780 1702 (9am – 5pm, Monday to Friday)

## 2. HAZARDS IDENTIFICATION

Based on available information, this material is **not classified as Hazardous** according to criteria of NOHSC Australia.

**Not classified as Dangerous Goods** by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

**Poisons Schedule (Aust):** Not applicable

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	ENTITY CAS NO.	PROPORTION
Thermoplastic polyurethane	-	100%

## 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 03 474 7000).

**At room temperature, the material is not known to cause any medical problems.**

*Instructions below apply to potential risks associated with the material in a molten state.*

#### **4. FIRST AID MEASURES CONT.**

##### **Inhalation**

Vapours at high temperatures may cause irritation. Remove victim to fresh air.

##### **Skin contact**

For skin burns, immediately flood burnt area with plenty of water and cover with a clean, dry dressing. If molten material should contact the skin and adhere, cool quickly with running water - do not attempt to remove. Seek immediate medical advice.

##### **Notes to physician**

Treat symptomatically.

#### **5. FIRE-FIGHTING MEASURES**

##### **Specific hazards**

Combustible solid.

##### **Fire fighting further advice**

On burning will emit toxic fumes including those of carbon oxides, and potentially hydrogen cyanide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

##### **Suitable extinguishing media**

Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). Do not use water jets.

#### **6. ACCIDENTAL RELEASE MEASURES**

Material spills may cause a safety hazard due to the risk of tripping. Vacuum or sweep clean any spilled material to minimise any tripping hazards.

#### **7. HANDLING AND STORAGE**

##### **Handling**

This product is safe to handle, provided that personal protection is observed as outlined in Section 8.

##### **Storage**

Store in a cool, dry place and out of direct sunlight. Keep containers closed at all times - to prevent ingress of moisture.

#### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

##### **National Occupational Exposure Limits**

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

##### **Engineering measures**

Process in well ventilated areas. Keep containers closed when not in use.

##### **Personal protection equipment**

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES (Short).

If inhalation risk exists due to processing vapours wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Form / Colour / Odour:

Clear to pale amber pellets. Odourless.

### Solubility:

Insoluble in water.  
Soluble in N, N-Dimethylacetamide, DMF, THF and toluene.

<b>Specific Gravity (20 °C)</b>	0.98 – 1.08	<b>Autoignition Temperature (°C)</b>	N App
<b>Relative Vapour Density (air=1)</b>	N App	<b>Melting Point (°C)</b>	170 -210
<b>Vapour Pressure (20 °C)</b>	N App	<b>Decomposition Point (°C)</b>	N Av
<b>Flash Point</b>	N App	<b>Sublimation Point (°C)</b>	N Av
<b>Flammability Limits (%)</b>	N App	<b>pH</b>	N App
<b>Viscosity</b>	N App		

(Typical values only - consult specification sheet); N Av = Not available; N App = Not applicable

## 10. STABILITY AND REACTIVITY

Stable according to available information.

## 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

**Inhalation:** Processing vapours may be irritant to mucous membranes and respiratory tract.

**Skin contact:** Exposure to molten material may cause deep skin burns. Molten material may adhere to skin.

**Eye contact:** Exposure to the pellets/particles may cause discomfort due to particulate nature. May cause physical irritation of the eye.

**Ingestion:** No adverse effects expected, however large amounts may cause nausea and vomiting.

### Long Term Effects

No information available for product.

### Acute toxicity / Chronic toxicity

No LD50 data available for the product.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY (Aquatic & Terrestrial)

No information available.

### ENVIRONMENTAL FATE, PERSISTENCE AND DEGRADATION

No information available.

### MOBILITY

No information available.

### 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.  
Normally suitable for disposal at approved land waste site.

### 14. TRANSPORT INFORMATION

#### **Road and Rail Transport**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

#### **Marine Transport**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

#### **Air Transport**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)

### 15. REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to criteria of NOHSC Australia.

**Poisons Schedule (Aust):** None Allocated.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

#### **Literature Reference**

This Material Safety Data Sheet has been prepared by AorTech Biomaterials.

Reason(s) For Issue: Revision

*Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.*

This MSDS summarises at the date of issue, our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since AorTech Biomaterials cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

Non-hazardous according to criteria of NOHSC Australia.

## 1. IDENTIFICATION OF THE MATERIAL & SUPPLIER

Product name	<b>Elast-Eon™ Development Material</b>
Synonyms / Other Names	Elast Eon with variants as specified on product label
Recommended Use	Extrusion / Injection moulding / Dip Moulding / Solvent Coating
<b>SUPPLIER INFORMATION</b>	
Name	Aortech Biomaterials
ACN	079 265 286
Street Address	1 Dalmore Drive, Caribbean Park, Scoresby VIC 3179
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### Notes to physician

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### Fire fighting further advice

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### Handling

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### Storage

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### National Occupational Exposure Limits

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### Engineering measures

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### Personal protection equipment

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#### **14. TRANSPORT INFORMATION Cont.**

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Reason(s) For Issue: New Document

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