

# RUBBERfon Cradles - Pad

March 2021 - Version 1

## Section 1 - Identification of the substance/preparation and the company

|                                |   |
|--------------------------------|---|
| <b>Product Name -</b>          | <b>RUBBERfon Cradles</b>  |
| <b>Use -</b>                   | Acoustic cradle   |
| <b>Company -</b>               | <b>Collecta Limited</b> , Bounty House, Medway Valley Park, Rochester, Kent, ME2 2NF        |
| <b>Email/Web Address -</b>     | technical@collecta.co.uk <span style="float: right;">www.collecta.co.uk</span>              |
| <b>Emergency Contact No. -</b> | During office hours - 01634 296677. Outside of these please contact a medical professional. |

## Section 2 - Hazards Identification

### 2.1 Substance or mixture classification

The product is classified as not dangerous under the rules of the Regulation (CE) 1272/2008 (CLP).

### 2.1 Regulation (CE) 1272/2008 (CLP) and subsequent amendments and adjustments.

**Hazard classification and statement - N/A**

### 2.2 Label elements

**Hazard pictograms - N/A**

**Warnings - N/A**

**Hazard information - N/A**

**Safety advise - N/A**

Based on the available data, the product does not contain PBT or vPvB substances in a percentage superior to 0.1%.

## Section 3 - Composition/Information on ingredients

### 3.1 Substances

Information not relevant

### 3.2 Mixtures

| <b>Name</b><br><b>REACH Registration No.</b> | <b>CAS No.</b>          | <b>EINECS No.</b>      | <b>Contents %</b> | <b>Hazard identification codes</b><br><b>(classification complying with</b><br><b>Regulation 1272/2008)</b> | <b>Conc. limit %</b> |
|--|-------------------------|------------------------|-------------------|---|----------------------|
| Elastomer/natural rubber                     | 9006-04-6               | 208-915-9              | ≥ 40%             | Not dangerous   | -                    |
| SBR (co-polymer styrene-butadiene)           | 9003-55-8               | 9003-55-8              | 32-34%            | Not dangerous   | -                    |
| Carbon black (black smoke)                   | 1333-34-9               | 215-609-9              | ca. 20-25%        | Not dangerous   | -                    |
| Oiled sulphar                                | 7704-34-9               | 231-722-6              | ca. 1%            | H317-H334   | 10                   |
| Silicates                                    | 14807-96-6<br>1332-58-7 | 238-877-9<br>310-194-1 | ca. 0.5%          | Not dangerous   | -                    |
| Zinc oxide                                   | 1314-13-2               | 215-222-5              | ca. 1%            | H410  | 15                   |

Note: Value superior to the range excluded.

The chemical additives, including antioxidants, stabilisers, antistatic on various formulations of the under product could be expressed for a total concentration inferior to 1% p/p.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

#### General

Not specifically necessary. In any case it s advisable to practice good hygiene.

Continued on page 2

## 4.1 Description of first aid measures (continued)

### After Inhalation

The inhalation of the dust during the product application can irritate the airway, in that case move the person away from the place of exposure and lead them to open air.

### After Skin Contact

Not applicable

### After Eye Contact

Not applicable

### After Ingestion

Not applicable

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

No effects known

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

Information not available

## Section 5 - Fire Fighting Measures

### 5.1 Extinguishing Media

The extinguishing modes are the usual: CO<sub>2</sub>, foam, nebulised powder and water.

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

#### Hazards due to exposure during fire

The fire will produce thick, black smoke.

The exposure to the decomposing products can be a health hazard.

Do not breath fumes and protect the eyes.

### 5.3 Advise for firefighters

#### General information

Cool down rolls with water jets to avoid the product decomposition and the development of substances dangerous for health. Always wear the complete fire protection equipment. Collect the extinguishing waters which must not be discharged in to the sewage. Discharge the contaminated water used for the extinction in accordance with current regulations

#### Equipment

Normal fire apparel such as compressed-air, self-contained, open-circuit breathing apparatus (EN137), fire apparel (EN469), fire gloves (EN659) and boots for Fire Fighters (HO A29 or A30).

## Section 6 - Accidental Release Measure

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

Refer to all security measures provided in sections 7 and 8.

Remove all granules that have come free from the mat with a vacuum cleaner or sweep the floor.

### 6.2 Environmental precautions

Avoid the product entering to the sewages, if this happens inform the competent authorities.

### 6.3 Methods and materials for the containment and the decontamination

Collect the manufacturing residues. The contaminated material disposal must be done complying with provisions reported in section 13.

### 6.4 Reference to other sections

Other information concerning individual protection and disposal are reported in sections 8 and 13.

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## Section 7 - Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling

Do not eat or drink during application, keep away from sparks and naked flames.

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

Keep in a cool, dry place. Indoor storage is advisable. Protect from rainfall.

### 7.3 Specific end use(s)

Information not available

## Section 8 - Exposure Controls and Personal Protection

### 8.1 Control Parameters

Information not available.

### 8.2 Exposure Controls

**Hand protection** - Not required

**Skin protection** - Not required

**Eye protection** - Not required

**Breathing protection** - Not requested

**Environmental exposure controls** - Not requested

## Section 9 - Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                            |                                   |
|----------------------------|-----------------------------------|
| Physical form              | Solid                             |
| Colour                     | Black                             |
| Odour                      | Odourless - typical of the rubber |
| Ph                         | Not available                     |
| Freezing point             | Not available                     |
| Point of initial boiling   | Not available                     |
| Boiling point              | Not available                     |
| Flash point                | Not available                     |
| Vaporisation level         | Not available                     |
| Solid and gas flammability | Not flammable                     |
| Lower flammability limit   | Not available                     |
| Upper flammability limit   | Not available                     |
| Lower explosion limit      | Not available                     |
| Upper explosion limit      | Not available                     |
| Steam tension              | Not available                     |
| Steam density              | Not available                     |
| Relative density           | >1                                |
| Solubility                 | Not water soluble                 |
| Partition coefficient      | Not available                     |
| Auto-ignition temperature  | >250°                             |
| Decomposition temperature  | >250°                             |
| Viscosity                  | Not available                     |
| Explosive properties       | Not available                     |
| Oxidation properties       | Not available                     |

### 9.2 Other Information

No relevant information available

## Section 10 - Stability and reactivity

### 10.1 Reactivity

There are no particular reaction dangers with other substances during normal application conditions.

### 10.2 Chemical stability

The product is stable during normal application conditions and storage, keep away from open fire.

### 10.3 Possibility of hazardous reactions

During normal handling and storing conditions dangerous reactions are not to be expected.

### 10.4 Conditions to avoid

Contact with heat sources, with open fire.

### 10.5 Incompatible materials

Information not available.

### 10.6 Hazardous decomposition products

CO<sub>2</sub>, carbon dioxide, black smoke, IPA.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

There are not known episodes of health damage due to the exposition to the product. In any case it is advisable to act respecting the good industrial hygiene regulations.

## Section 12 - Ecological Information

### 12.1 Toxicity

Information not available

### 12.2 Persistency and degradability

Not degradable

### 12.3 Bio-accumulation potential

Information not available

### 12.4 Ground mobility

No relevant information is known

### 12.5 Results of the PBT and vPvB evaluation

Based on available data, the product does not contain PBT or vPvB substances superior to 0,1%.

### 12.6 Other adverse effects

Information not available

## Section 13 - Disposal considerations

### 13.1 Waste treatment methods

Evaluate the possibility to recycle the product. The product waste is to be considered not dangerous special waste. The disposal must be delegated to a company authorised for the waste management, in accordance with the national or eventually local regulations.

## Section 14 - Transport Information

### 14.1 ONU Number

not applicable

**14.2 ONU's expedition name**  
not applicable

**14.3 Transport hazard class(es)**  
not applicable

**14.4 Packaging 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**  
Information not pertinent

## Section 15 - Regulatory Information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Seveso category** - None

**Restrictions related to the product or contained substances according to the Annex XVII Regulation (CE) 1907/2006** - None

**Substances in Candidate List (Art. 59 Reach)** - None

**Substances subjected to authorisation (Annex XIV REACH)** - None

**Substances subjected to export notification Reg. (CE) 649/2012** - None

**Substances subjected to Rotterdam Convention** - None

**Substances subjected to Stockholm Convention** - None

**Sanitary controls** - Information not available

### 15.2 Evaluation of chemical safety

A chemical safety evaluation for the mixture and its contained substances has not been established.

## Section 16 - Other information

### Glossary of terms

|               |  |
|---------------|--|
| ADR:          | European agreement for dangerous goods transportation on roads                         |
| CAS NUMBER:   | Chemical Abstract Service number   |
| CE50:         | Concentration that gives effect to 50% of the population subjected to test.            |
| CE NUMBER:    | Identification number in ESIS (European existing substances database)                  |
| CLP:          | CE Regulation 1272/2008  |
| DNEL:         | Derivative level without effect  |
| EmS:          | Emergency Schedule   |
| GHS:          | Global harmonised system for the classification and the labelling of chemical products |
| IATA DGR:     | Regulation on dangerous goods of the International Air Transportation Authority        |
| IC50:         | Immobilisation concentration of 50% of the population subjected to test                |
| IMDG:         | International maritime code for dangerous goods transportation                         |
| IMO:          | International Maritime Organization  |
| INDEX NUMBER: | Identification number in the Annex VI of the CLP                                       |
| LC50:         | Lethal concentration 50%   |
| LD50:         | Lethal dose 50%  |
| OEL:          | Occupational exposition level.   |
| PBT:          | Persistent, bio-accumulating and toxic according to the REACH                          |
| PEC:          | Predictable environmental concentration  |
| PEL:          | Predictable exposition level   |
| PNEC:         | Predictable no effect concentration  |
| REACH:        | CE Regulation 1907/2006  |
| RID:          | Regulation on international transportation of dangerous goods by rail                  |
| TLV:          | Threshold limit value  |

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## Glossary of terms (continued)

|              |  |
|--------------|--|
| TLV CEILING: | Concentration that must not be exceeded during any moment of the working exposure. |
| TWA STEL     | Short term exposure limit  |
| TWA:         | Weighted average exposure limit  |
| VOC:         | Volatile organic compound  |
| vPvB:        | Very persistent and very bio-accumulating according to the REACH                   |
| WGK:         | Aquatic danger class (Germany).  |

## Hazard statements mentioned in this Safety Data Sheet

|        |   |
|--------|---|
| H317 - | Can cause a skin allergy reaction.  |
| H334 - | Can cause allergic or asthmatic symptoms or breathing problem if inhaled. |
| H410 - | Very toxic for aquatic organisms with long time effects.                  |

## General terms

1. Regulation (UE) 1907/2006 of European Parliament (REACH)
  2. Regulation (UE) 1272/2008 of European Parliament (CLP)
  3. Regulation (UE) 790/2009 of European Parliament (I Atp. CLP)
  4. Regulation (UE) 453/2010 of European Parliament
  5. Regulation (UE) 286/2011 of European Parliament (II Atp. CLP)
  6. Regulation (UE) 618/2012 of European Parliament (III Atp. CLP)
  7. Regulation (UE) 487/2013 of European Parliament (IV Atp. CLP)
  8. Regulation (UE) 944/2013 of European Parliament (V Atp. CLP)
  99. Regulation (UE) 605/2014 of European Parliament (VI Atp. CLP)
- The Merck Index. - 10th Edition
  - Handling Chemical Safety
  - INRS - Fiche Toxicologique (toxicological sheet)
  - Patty - Industrial Hygiene and Toxicology
  - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
  - Web site ECHA Agency

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substance/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substance/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substance/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Liechtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. Use of this safety data sheet is subject to the license and liability limiting conditions as stated in your BIG license or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned/conditions for details.

# RUBBERfon Cradles - Cradle

March 2021 - Version 1

## Section 1 - Identification of the substance/preparation and the company

|                                |   |
|--------------------------------|---|
| <b>Product Name -</b>          | <b>RUBBERfon Cradles - plastic cradle (covers packers and elevation blocks)</b>             |
| <b>Use -</b>                   | Acoustic cradle   |
| <b>Company -</b>               | <b>Cellecta Limited</b> , Bounty House, Medway Valley Park, Rochester, Kent, ME2 2NF        |
| <b>Email/Web Address -</b>     | technical@cellecta.co.uk <span style="float: right;">www.cellecta.co.uk</span>              |
| <b>Emergency Contact No. -</b> | During office hours - 01634 296677. Outside of these please contact a medical professional. |

## Section 2 - General

|                          |                        |
|--------------------------|------------------------|
| <b>Material status -</b> | Commercial: Active     |
| <b>Availability -</b>    | UK & Europe            |
| <b>Features -</b>        | High Impact Resistance |
| <b>Agency Ratings -</b>  | EC 1907/2006 (REACH)   |
| <b>RoHS Compliance -</b> | Compliant              |

## Section 3 - ASTM & ISO Properties<sup>1</sup>

### 3.1 Physical

|   | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| <b>Density -</b>                                      | 1.04          | g/cm <sup>3</sup> | ISO 1183    |
| <b>Apparent (Bulk) Density -</b>                      | 0.60          | g/cm <sup>3</sup> | -           |
| <b>Melt Mass-Flow Rate (MFR) (200°C/5.0kg) -</b>      | 12            | g/10 min          | ISO 1133    |
| <b>Molding Shrinkage -</b>                            | 0.40 to 0.70  | %                 | -           |
| <b>Water Absorption (Equilibrium, 23°C, 50% RH) -</b> | <0.10         | %                 | ISO 62      |

### 3.2 Mechanical

|                                 | Nominal Value | Unit | Test Method |
|---------------------------------|---------------|------|-------------|
| <b>Tensile Stress (Yield) -</b> | 25.0          | MPa  | ISO 527-2   |
| <b>Tensile Stress (Break) -</b> | 20.0          | MPa  | ISO 527-2   |
| <b>Tensile Strain (Break) -</b> | 45            | %    | ISO 527-2   |
| <b>Flexural Modulus -</b>       | 2100          | MPa  | ISO 178     |

### 3.3 Impact

|                                       | Nominal Value | Unit              | Test Method |
|---------------------------------------|---------------|-------------------|-------------|
| <b>Notched Izod Impact Strength -</b> | 9.5           | KJ/m <sup>2</sup> | ISO 180/1A  |

### 3.4 Hardness

|                                      | Nominal Value | Unit              | Test Method |
|--------------------------------------|---------------|-------------------|-------------|
| <b>Rockwell Hardness (R-Scale) -</b> | 9.5           | KJ/m <sup>2</sup> | ISO 2039-2  |

### 3.5 Thermal

|   | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| <b>Heat Deflection Temperature (1.8MPa, Unannealed) -</b> | 68.0          | °C       | ISO 75-2/A  |
| <b>Heat Deflection Temperature (1.8MPa, Annealed) -</b>   | 80.0          | °C       | ISO 75-2/A  |
| <b>Vicat Softening Temperature -</b>                      | 92.0          | °C       | ISO 306/A50 |
|   | 83.0          | °C       | ISO 306/A50 |
| <b>CLTE - Flow</b>  | 9.1E-5        | cm/cm/°C |             |

### 3.5 Electrical

|                              | Nominal Value | Unit  | Test Method |
|------------------------------|---------------|-------|-------------|
| <b>Surface Resistivity -</b> | >1.0E+14      | ohms  | IEC 60093   |
| <b>Electric Strength -</b>   | 150           | kV/mm |             |

## Notes

<sup>1</sup>Typical properties: these are not to be construed as specifications