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**SECTION 1 – Identification of the substance/mixture and of the company**

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**Product Name** ANASA TPC L80A Natural  
**Chemical Name** ThermoPlastic Copolyester (TPC)  
**Pure substance/mixture** Mixture

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

**Application** Additive Manufacturing  
**Used advised against** Not identified.

**Section 1.3 – Details of the supplier of the safety data sheet  
Manufacturer**

Tectonic 3D B.V.  
High Tech Campus 9  
5656 AE Eindhoven  
The Netherlands  
Tel +31 (0) 408517575  
<https://www.tectonic-3d.com/>

**E-mail address** info@tectonic-3d.com

**Section 1.4 – Emergency telephone number****Europe**

**Emergency telephone:** +31 (0) 408517575 (08.00-17.00 CET)

**United Kingdom** See above.

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**SECTION 2 – Hazards Identification Summary**

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**Section 2.1 – Classification of the substance or mixture**

No data available.

**Section 2.2 – Label elements****GHS label elements**

**Signal word** Not signal word.  
**Hazard Statements** No known significant effects or critical hazards

**Precautionary Statements**

**Prevention:** Not applicable.  
**Response:** Not applicable.  
**Storage:** Not applicable.  
**Disposal:** Not applicable

**Signal word**

None.



**Hazard Statements**

Not applicable.

**Precautionary Statements**

Not applicable.

**Section 2.3 – Other Hazards**

No data available

**SECTION 3 – Composition/information on ingredients****Section 3.2 – Mixtures**

Chemical Name	EC No	CAS No	REACH Registration Number	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ThermoPlastic Copolyester (TPC)	-	-	No data available	100	Not classified

**SECTION 4 – First Aid Measures****Section 4.1 – Description of first aid measures****Inhalation**

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Consult a physician after significant exposure.

**Skin Contact**

In contact with molten product immediately flush with cold water for at least 10 min. Do not peel solidified polymer of skin. Obtain medical attention.

**Eye Contact**

Rinse thoroughly with plenty of water for at least 20 minutes, also under the eyelids. Consult a physician immediately.

**Ingestion**

Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur and show mSDS.

**Section 4.2 – Most important symptoms and affects, both acute and delayed**

No data available.

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

No relevant information available Treat symptomatically.

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## SECTION 5 – Firefighting Measures

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### Section 5.1 – Extinguishing media

#### Suitable extinguishing media

ABC-powder Carbon dioxide (CO<sub>2</sub>) Water spray jet alcohol resistant foam Extinguishing powder

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

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

In case of fire may be liberated: Carbon monoxide (CO), Carbon Dioxide (CO<sub>2</sub>), oxides of nitrogen (NO<sub>x</sub>), dense black smoke. Organic acids

### Section 5.3 – Advice for firefighters

Use suitable breathing apparatus. In the event of fire, wear self-contained breathing apparatus and chemical protective clothing.

### Section 5.4 – Additional information

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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## Section 6 – Accidental Release Measures

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

#### 6.1.1. For non-emergency personnel

Avoid dust formation. Remove persons to safety.

#### Protective equipment:

Wear breathing apparatus if exposed to vapors/dusts/aerosols. Wear protective gloves/protective clothing/eye protection/face protection

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Use appropriate respiratory protection. Personal protection equipment: see section 8

### Section 6.2 – Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates rivers and lakes or drains inform respective authorities.

### Section 6.3 – Methods and material for containment and cleaning

#### Methods for containment

Collect spillage. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### Methods for cleaning

Water (with cleaning agent)

### Section 6.4 – Reference to other sections

Disposal: see section 13 Personal protection equipment: see section 8 Safe handling: see section 7.

### 6.5 Additional Information

Clear spills immediately. Use appropriate container to avoid environmental contamination.



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## Section 7 – Handling and Storage

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### Section 7.1 – Precautions for safe handling

#### Protective measures

#### Advices on safe handling

No special technical protective measures are necessary. Wear personal protection equipment (refer to section 8).

#### Fire prevent measures

Usual measures for fire prevention. Provide appropriate exhaust ventilation at places where dust is formed.

#### Measures to prevent aerosol and dust generation

Dust should be exhausted directly at the point of origin.

#### Advices on general occupational hygiene

Do not eat, drink or smoke or sniff when using this product. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes.

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

#### Technical measures and storage conditions:

Electrical installations / working materials must comply with the technological safety standards.

### Section 7.3 – Specific end use(s)

See the Technical data sheet (sTDs) for further information

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## Section 8 – Exposure Controls/Personal Protection

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### 8.1 – Control parameters

No data available.

### Section 8.2 – Exposure Controls

#### 8.2.1. Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### 8.2.2. Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields EN 166 (or goggles)

Skin and Body protection

Hand protection is not required. Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection

Usually no personal respirative protection necessary. Particle filter device (EN 143)

#### 8.2.3. Environmental exposure controls

Do not use above following temperatures: 300 °C

### 8.3 Additional information

No data available.



**Section 9 – Physical and Chemical Properties**

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

<b>Appearance</b>	Filament
<b>Color</b>	Natural
<b>Odor</b>	Not determined
<b>Odor threshold</b>	Not applicable

<b>Property</b>	<b>Value</b>	<b>Remarks Method</b>
<b>PH</b>		Not determined
<b>Melting point</b>	155 - 225°C	DSC, 10K/min   DIN EN ISO 11357-3
<b>Freezing point</b>		Not determined
<b>Boiling point / boiling range</b>		Not determined
<b>Flash point</b>	> 350°C	Not determined
<b>Evaporation rate</b>		Not determined
<b>Flammability (solid, gas)</b>		Not determined
<b>Explosive limits</b>		Not determined
Upper explosive limits		Not determined
Lower explosive limits		Not determined
<b>Vapor Pressure</b>		Not determined
<b>Vapor Density</b>		Not determined
<b>Relative Density</b>		Not determined
<b>Water Solubility</b>		Insoluble in water
<b>Solubility(ies)</b>		No information available
<b>Partition Coefficient</b>		No information available
<b>Autoignition Temperature</b>	> 400°C	No information available
<b>Decomposition Temperature</b>	> 300°C	No information available
<b>Kinematic Viscosity</b>		No information available
<b>Dynamic Viscosity</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing properties</b>		No information available
<b>Density</b>	> 1.10 g/cm3	23°C   ISO 1183
<b>Bulk Density</b>		No information available

**Section 9.2 – Other information**

No information available

**Section 10 – Stability and Reactivity**

**Section 10.1 – Reactivity**

No decomposition if stored and applied as directed.

**Section 10.2 – Chemical stability**

No decomposition if stored and applied as directed



**Section 10.3 – Possibility of hazardous reactions**

Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.

**Section 10.4 – Conditions to avoid**

No data available.

**Section 10.5 – Incompatible materials**

Not applicable.

**Section 10.6 – Hazardous decomposition products**

No data available.

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**Section 11 – Toxicological Information**

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**Section 11.1 – Information on toxicological effects****Acute oral toxicity**

Based on available data, the classification criteria are not met.

**Acute dermal toxicity**

Based on available data, the classification criteria are not met.

**Acute inhalation**

Based on available data, the classification criteria are not met.

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT – Single exposure**

Based on available data, the classification criteria are not met.

**STOT – Repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

### Section 11.2 – Information on other hazards

**Remarks:** Stable under recommended storage conditions. No hazards to be specially mentioned. Dust may form explosive mixture in air.

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## Section 12 – Ecological Information

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### Section 12.1 – Toxicity

No data available.

### Section 12.2 – Persistence and degradability

No data available

### Section 12.3 – Bio accumulative potential

No data available

### Section 12.4 – Mobility in soil

No data available.

### Section 12.5 – Results of PBT and vPvB assessment

No data available

### Section 12.6 – Endocrine disrupting properties

No data available

### Section 12.7 – Other adverse effects

Ozone-Depletion Potential :

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information

The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available. This product is not biodegradable and not toxic to aquatic organisms.

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## Section 13 – Disposal Considerations

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### Section 13.1 – Waste treatment methods

#### Waste from residues/unused products

No data available.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code packaging

Remarks:

**Waste treatment options**

No data available.

**Appropriate disposal / Package:**

Completely emptied packages can be recycled.

**Contaminated packaging**

Thoroughly emptied and clean packaging may be recycled. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other information**

Waste codes should be assigned by the user based on the application for which the product was used.

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**Section 14 – Transport Information**

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**RID/ADR: Land Transport**

14.1 UN Number	No dangerous good in sense of these transport regulations.
14.2 UN Proper Shipping Name	No dangerous good in sense of these transport regulations.
14.3 Transport Hazard Class(es)	Not relevant.
14.4 Packing Group	Not relevant.
14.5 Environmental Hazard	Not relevant.
14.6 Special Precautions For User	Not relevant.

**AND: Inland waterway craft**

14.1 UN Number	No dangerous good in sense of these transport regulations.
14.2 UN Proper Shipping Name	No dangerous good in sense of these transport regulations.
14.3 Transport Hazard Class(es)	Not relevant.
14.4 Packing Group	Not relevant.
14.5 Environmental Hazard	Not relevant.
14.6 Special Precautions For User	Not relevant.

**IMDG: Sea Transport**

14.1 UN Number	No dangerous good in sense of these transport regulations.
14.2 UN Proper Shipping Name	No dangerous good in sense of these transport regulations.
14.3 Transport Hazard Class(es)	Not relevant.
14.4 Packing Group	Not relevant.
14.5 Marine Pollutant	Not relevant.
14.6 Special Precautions For User	Not relevant.
14.7 Transport In Bulk According to Annex II of MARPOL 73/78 and The IBC Code	Not relevant.

**ICOA-TI / IATA-DGR: Air Transport**

14.1 UN Number	No dangerous good in sense of these transport regulations.
14.2 UN Proper Shipping Name	No dangerous good in sense of these transport regulations.
14.3 Transport Hazard Class(es)	Not relevant.
14.4 Packing Group	Not relevant.
14.5 Environmental Hazard	Not relevant.
14.6 Special Precautions For User	Not relevant.

**14.7 Maritime Transport in bulk according to IMO instruments**

No data available.

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**Section 15 – Regulatory Information**

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**Section 15.1 – Safety, health and environmental regulation/legislation specific for the substance or mixture**

**International Regulations**      No information available.      Source:

**European Union**      No information available  
**National regulations**      No information available

**Section 15.2 – Chemical Safety assessment**

Not data available

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**Section 16 – Other information**

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**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Issue Date**      19-June-2024  
**Revision Date**      No information available  
**Revision Note**      No information available

**This safety data sheet complies with the requirements of:** Regulation (EC) No. 1907/2006, COMMISSION REGULATION (EU) No. 830/2015 of 20 May 2015

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**End of Safety Data Sheet**