Product Safety Information Sheet
According to the requirements in Article 32 of Regulation (EC) No. 1907/2006

Polymerized TangoPlus and Agilus30 Family

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
   Product name: Polymerized TangoPlus and Agilus30 Family
   Registration number REACH: Not applicable (article)
   Product type REACH: Article

1.2. Relevant identified uses of the substance or mixture and uses advised against
   1.2.1 Relevant identified uses
   Polymer: industrial use

1.3 Details of the supplier of the Product Safety Information Sheet:
   Supplier of the safety data sheet:
   Stratasys GmbH
   Airport Boulevard B 120
   DE-77836 Rheinmünster
   +49 722 97 77 20
   +49 722 97 77 29 90
   info@stratasys.com
   www.stratasys.com

1.4. Emergency telephone number
   24h/24h:
   +44 1235 23 96 70 - Europe - Multi-lingual response
   +44 1865 40 73 33 - Global - English Language response
   +1 866 928 07 89 (Toll free) - USA - Multi-lingual response
   +65 3158 10 74 - Asia Pacific - Multi-lingual response
   +61 2 8014 45 58 - Australia - Multi-lingual response
   +86 512 80 90 30 42 - China - Chinese response
   +86 3 4578 93 41 - Japan

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2. Label elements
   Labelling does not apply to articles

2.3. Other hazards
   Fine dust is explosive with air

SECTION 3: Composition/information on ingredients

This article contains a sensitising substance and may produce an allergic reaction

SECTION 4: First aid measures

4.1. Description of first aid measures
   General:
   If you feel unwell, seek medical advice.
   After inhalation:
   Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
   After skin contact:
   Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.
   After eye contact:
   Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.
After ingestion:
Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms
After inhalation:
No effects known.
After skin contact:
No effects known.
After eye contact:
No effects known.
After ingestion:
No effects known.

4.2.2 Delayed symptoms
No effects known.

4.3. Indication of any immediate medical attention and special treatment needed
If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media
5.1.1 Suitable extinguishing media:
Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.
Major fire: Class B foam (not alcohol-resistant).

5.1.2 Unsuitable extinguishing media:
Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion.
Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture
Upon combustion: formation of CO, CO2 and small quantities of phosphorus oxides.

5.3. Advice for firefighters
5.3.1 Instructions:
No specific fire-fighting instructions required.
5.3.2 Special protective equipment for fire-fighters:

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
No naked flames.

6.1.1 Protective equipment for non-emergency personnel
See heading 8.2

6.1.2 Protective equipment for emergency responders
Gloves. Protective clothing.
Suitable protective clothing
See heading 8.2

6.2. Environmental precautions
No data available

6.3. Methods and material for containment and cleaning up
Pick-up the material. Wash clothing and equipment after handling.

6.4. Reference to other sections
See heading 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities
7.2.1 Safe storage requirements:
Storage temperature: 15 °C - 40 °C. Store in a dry area. Keep container in a well-ventilated place. Store at room temperature. Meet the legal requirements.
7.2.2 Keep away from:
Heat sources, ignition sources.

7.2.3 Suitable packaging material:
No data available

7.2.4 Non suitable packaging material:
No data available

7.3. Specific end use(s)
If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure
a) Occupational exposure limit values
If limit values are applicable and available these will be listed below.

b) National biological limit values
If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods
If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended
If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values
If applicable and available it will be listed below.

8.1.5 Control banding
If applicable and available it will be listed below.

8.2. Exposure controls

8.2.1 Appropriate engineering controls

8.2.2 Individual protection measures, such as personal protective equipment
Observe normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:
Not required for normal conditions of use. Dust production: dust mask with filter type P1.

b) Hand protection:
Not required for normal conditions of use.

c) Eye protection:
Not required for normal conditions of use. In case of dust production: protective goggles.

d) Skin protection:
Not required for normal conditions of use.

8.2.3 Environmental exposure controls:
See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical form</td>
<td>Hard solid material</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic odour</td>
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<tr>
<td>Odour threshold</td>
<td>No data available</td>
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<tr>
<td>Colour</td>
<td>Variable in colour, depending on the composition</td>
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<tr>
<td>Particle size</td>
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</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
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<tr>
<td>Flammability</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not applicable (article)</td>
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<tr>
<td>Dynamic viscosity</td>
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</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water ; insoluble</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
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<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No chemical group associated with explosive properties</td>
</tr>
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</table>

Reason for revision: 1; 5; 9
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Date of revision: 2018-02-06
Reference number: SDS06183P-EN/EGHS
Revision number: 0001
Product number: 58469
Polymerized TangoPlus and Agilus30 Family

<table>
<thead>
<tr>
<th>Oxidising properties</th>
<th>No chemical group associated with oxidising properties</th>
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</thead>
<tbody>
<tr>
<td>pH</td>
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</table>

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Heating increases the fire hazard.

10.2. Chemical stability
No data available.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Precautionary measures

10.5. Incompatible materials
No data available.

10.6. Hazardous decomposition products
Upon combustion: formation of CO, CO₂ and small quantities of phosphorus oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
11.1.1 Test results

Acute toxicity
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Corrosion/irritation
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Respiratory or skin sensitisation
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Specific target organ toxicity
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Mutagenicity (in vitro)
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Mutagenicity (in vivo)
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Carcinogenicity
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Reproductive toxicity
Polymerized TangoPlus and Agilus30 Family
No (test)data available

Toxicity other effects

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Chronic effects from short and long-term exposure

Polymerized TangoPlus and Agilus30 Family

Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

Polymerized TangoPlus and Agilus30 Family

No (test) data available

12.2. Persistence and degradability

Biodegradability in water: no data available

12.3. Bioaccumulative potential

Polymerized TangoPlus and Agilus30 Family

<table>
<thead>
<tr>
<th>Log Kow</th>
<th>Method</th>
<th>Remark</th>
<th>Value</th>
<th>Temperature</th>
<th>Value determination</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Not applicable (article)</td>
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<td></td>
</tr>
</tbody>
</table>

Conclusion

No bioaccumulation data available

12.4. Mobility in soil

No (test) data on mobility of the components available

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

Polymerized TangoPlus and Agilus30 Family

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union


07 02 13 (wastes from the MFSU of plastics, synthetic rubber and man-made fibres: waste plastic).

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Dispose of as office refuse.

13.1.3 Packaging/Container

No data available

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1. UN number

Transport

Not subject

14.2. UN proper shipping name

14.3. Transport hazard class(es)

Hazard identification number

Class

Classification code

14.4. Packing group

Packing group

Labels

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14.5. Environmental hazards

| Environmentally hazardous substance mark | No |

14.6. Special precautions for user

| Special provisions | Limited quantities |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

| Annex II of MARPOL 73/78 | Not applicable |

SECTION 15: Regulatory information

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

**European legislation:**

VOC content Directive 2010/75/EU

<table>
<thead>
<tr>
<th>VOC content</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

National legislation Belgium

No data available

National legislation The Netherlands

Waterbezwaarlijkheid | Not applicable (article)

National legislation France

No data available

National legislation Germany

WGK | Nwg; Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) of 18 April 2017

National legislation United Kingdom

No data available

Other relevant data

No data available

15.2. Chemical safety assessment

No chemical safety assessment is required.

SECTION 16: Other information

(*) INTERNAL CLASSIFICATION BY BIG

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

DMEL Derived Minimal Effect Level

DNEL Derived No Effect Level

EC50 Effect Concentration 50 %

EC50 EC50 in terms of reduction of growth rate

LC50 Lethal Concentration 50 %

LD50 Lethal Dose 50 %

NOAEL No Observed Adverse Effect Level

NOEC No Observed Effect Concentration

OECD Organisation for Economic Co-operation and Development

PBT Persistent, Bioaccumulative & Toxic

PNEC Predicted No Effect Concentration

STP Sludge Treatment Process

vPvB very Persistent & very Bioaccumulative

The information in this Product Safety Information Sheet informs on the properties of certain substances, preparations or mixtures incorporated in the article. The Product Safety Information Sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this Product Safety Information Sheet does not release the user from the obligation to take all measures dictated by common sense, regulations, the guidelines of the manufacturer and recommendations or which are necessary and/or useful based on the real applicable circumstances. The Product Safety Information Sheet constitutes merely of guidelines and recommendations. The information in this Product Safety Information 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. New Product Safety Information 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 Product Safety Information Sheet, the information does not apply to other, even similar products. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This Product Safety Information Sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this Product Safety Information Sheet is subject to the licence and liability limiting conditions as stated in the agreement between BIG and the manufacturer of this product 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 agreement/conditions for details.