

SAFETY DATA SHEET



Dynamism TPU-HS

According to Hazard Communication Standard (29 CFR 1910.1200)

Version 1.0

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SDS record number: CSSS-TCO-010-132144

1. Product and Company Identification

Product Information

Material name

Dynamism TPU-HS

CAS#

See section 3

Product use

3D Printing Filament

Supplier

Dynamism, Inc.

207 E Ohio St
Suite 200
Chicago, IL 60611

Email

sales@dynamism.com

Toll-Free Phone

800-711-6277

2. Hazards identification

GHS classification

Physical hazards

Not classified

Health hazards

Not classified

Environmental hazards

Not classified

GHS label elements

Hazard Pictograms

No hazard pictogram is used.

Signal word

No signal word is used.

Hazard statement

Not applicable.

Precautionary statement

Prevention

Not applicable.

Response

Not applicable.

Storage

Not applicable.

Disposal

Not applicable.

Other hazards

Not available.

3. Composition / Information on Ingredients

This product does not contain hazardous ingredients above cut-off value according to HCS2012.

4. First Aid Measures

First aid procedures

Eye contact

None expected to require first aid measures. Flush with running water for at least 15 minutes. If irritation persists get medical attention.

Skin contact

None expected to require first aid measures. Wash thoroughly with soap and water. Get medical attention in the unlikely event that irritation persists.

Inhalation

None expected to require first aid measures. If breathed in, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical attention.

Ingestion

Immediate first aid is not likely to be required. A physician or poison control center can be contacted for advice.

Notes to physician

Treat symptoms.

5. Fire Fighting Measure

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

Use extinguishers suitable for surrounding fire.

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products

Carbon oxides.

6. Accidental Release Measures

Personal precautions

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Avoid disposing into drainage/sewer system or directly into the aquatic environment.

Methods for cleaning up

Sweep up and shovel into suitable containers. Clean up affected area.

7. Handling and Storage

Handling

Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

This product has no PEL, TL V, or other recommended exposure limit.

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Skin protection

No special protection required.

Respiratory protection

No special protection required.

General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Individual protection measures, such as personal protective equipment:

Eye / face protection

No special protection required.

9. Physical & Chemical Properties

Appearance

Physical state

Solid

Form

Solid

Color

Translucent

Odor

Odorless

Odor threshold

Not available

pH

Not available

Vapor pressure

Not available

Melting point/Freezing point

Not available

Solubility (water)

Insoluble

Relative Density

1.08

Flash point

Not available

Initial boiling point and boiling range

Not available

Partition coefficient

Not available

Flammability limits in air, upper, %by volume

Not available

Flammability limits in air, lower, % by volume

Not available

Auto-ignition temperature

Not available

VOC

Not available

Percent volatile

Not available

Molecular Formula

Not available

Molecular Weight

Not available

Other data

Viscosity

Not available

Dissociation constant

Not available

10. Chemical Stability & Reactivity Information

Reactivity

The substance is stable under normal storage and handling conditions.

Incompatible materials

Strong oxidizing agents.

Chemical stability

Material is stable under normal conditions.

Hazardous decomposition products

Carbon oxides.

Conditions to avoid

Incompatible materials.

Possibility of hazardous reactions

No hazardous reactions known.

11. Toxicological Information

Toxicokinetics, metabolism and distribution

Non-human toxicological data

Not available

LCS0(Inhalation, Rat)

Not available

Reproductive toxicity:

Not classified

Skin corrosion/Irritation

Not classified

STOT- single exposure:

Not classified

Information on toxicological effects

Serious eye damage/irritation

Not classified

STOT-repeated exposure:

Not classified

Acute toxicity

Respiratory or skin sensitization

Not classified

Aspiration hazard

Not classified

LDS0(Oral, Rat)

Not available

Germ cell mutagenicity

Not classified

LD50(Dermal, Rabbit)

Not available

Carcinogenicity

Not classified

12. Ecological Information

Toxicity

ACUTE TOXICITY		TIME	SPECIES	METHOD	EVALUATION	REMARKS
LC50	N/A	96h	Fish	OECD203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability

Not available.

Results of PBT&vPvB assessment

Not available.

Bioaccumulative potential

Not available.

Other adverse effects

Not available.

Mobility in soil

Not available.

13. Disposal Considerations

Disposal instructions

Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements

UN number

Not regulated

Proper shipping name

Not regulated

Hazard class

Not regulated

Packing group

Not regulated

Environmental hazards

No

IATA

UN number

Not regulated

Proper shipping name

Not regulated

Transport hazard class(es)

Not regulated

Packing group

Not regulated

Environmental hazards

No

IMDG

UN number

Not regulated

UN Proper shipping name

Not regulated

Transport hazard class(es)

Not regulated

Packing group

Not regulated

Environmental hazards

No

15. Regulatory Information

US federal regulations

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

16. Other Information

HMIS® ratings

Health: 0

Flammability: 1

Physical hazard: 0

NFPA ratings

Health: 0

Flammability: 1

Instability: 0

Disclaimer

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