

Raise3DHyper Core PPA CF25 Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II.

COMMISSION REGULATION (EU) No 2020/878

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

1.1 Product identifier

Product form: Substance

Substance name: Raise3D Hyper Core PPA CF25 3D Printing Filament

Additional identification: Nanoform is NOT covered by this SDS

CAS-No.: see section 3

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

1.2.1 Relevant identified uses

Use of the substance/mixture: 3D Printing Filament

1.2.2. Uses advised against

Restrictions on use: Not available

1.3 Details of the supplier of the safety data sheet

Manufacturer: Shanghai Fusion Tech Co., Ltd.

Address: 4th Floor, B5 Building, No.1600 Guoquan N Rd, Shanghai, China 200438

Tel: +86-21-65337855

Supplier: Raise 3D Technologies, Inc.

Address: Stationsplein 45 Unit A4.004

Rotterdam 3013AK

Tel: -

Email: enquiry@raise3d.eu

1.4 Emergency telephone number

In case of toxicological emergency, contact your doctor first.

Emergency phone number: +86-021-65337855

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (1272/2008/CE):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/200.

Classification (2006/121/EC, 1999/45/EC):

No classification according to EC Directives 2006/121/EC or 1999/45/EC.

2.2 Label elements**Labelling (1272/2008/CE):**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Section 3: Composition/information on ingredients**3.1 Substance**

Type of product: Mixture

Chemical Name	CAS No.	Weight (%)
Nylon	-	70 - 79
Chopped Carbon Fiber	7440-44-0	20 - 25
Others	-	1 - 5

3.2 Mixture

No information available.

Section 4: First aid measures**4.1 Description of first aid measures****General notes:**

In all case of doubt, or when symptoms persist, seek medical attention.

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact

Wash skin with plenty of water

First-aid measures after eye contact

Rinse eyes with water as a precaution. Obtain medical attention if irritation persists.

First-aid measures after ingestion

Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No information available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Sprayed water jet. Extinguishing powder. Carbon dioxide (CO₂). Foam. Dry chemical.

Unsuitable extinguishing media

No information available.

5.2 Special hazards arising from the substance or mixture

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes.

5.3 Advice for firefighter

Firemen must wear self-contained breathing apparatus.

Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

Section 6: Accidental release measures

Product is a solid, no leakage.

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures

Ventilate spillage area. Avoid dust formation. Avoid contact with skin and eyes.

6.1.2 For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Mechanically recover the product.

Other information

Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further dispose measure see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Wear rubber gloves.

From direct sunlight, heat and workplace forbids smoking.

Use explosion-proof type ventilation systems and equipment.

Prevent steam leakage into the workplace atmosphere.

Avoid contact with antioxidants. Handling want light light, prevent packaging and container unloading damage.

Equipped with corresponding varieties and number of fire equipment and leakage emergency treatment equipment.

7.2 Conditions for safe storage, including any incompatibilities

Stored in a cool, well-ventilated area.

Far from fire, heat source.

Keep out of reach of children & pets.

With oxidant, edible chemicals should be stored apart, avoid by all means is mixed storage.

Equipped with corresponding varieties and number of fire equipment.

Storage areas shall be equipped with emergency treatment equipment and appropriate leakage of asylum materials.

Extremely toxic substances shall strictly carry out the "five pairs of" management system.

7.3 Specific end use(s)

No other specific use.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

Not available.

8.2 Exposure controls

Respiratory protection:

In case of dust formation use respiratory equipment with filter type particle filter P1 according to

Hand protection:

Suitable material for safety gloves;

Polyvinyl chloride – PVC($\geq 0.5\text{mm}$)

Contaminated and/or damaged gloves must be changed.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Solid

Colour: Black

Odour: Odourless

Odour threshold: Not available

Melting point: 237 °C

Freezing point: Not applicable

Boiling point: Not available

Flammability: Non flammable

Explosive limits: Not applicable

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Flash point: Not applicable

Auto-ignition temperature: Not applicable

Ignition temperature: Not available

Decomposition temperature: Not available

pH: Not available

pH solution: Not available

Viscosity, kinematic: Not applicable

Solubility: Practically insoluble

Partition coefficient n-octanol/water (Log Kow): Not available

Vapour pressure: Not available

Vapour pressure at 50°C: Not available

Density: 1.23g/cm³

Relative density: Not available

Relative vapour density at 20°C: Not applicable

Particle size: Not available

9.2 Other information

Information with regard to physical hazard classes

No additional information available

Other safety characteristics

No additional information available

Section 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended storage and handling conditions (see section 7, handling and storage).

10.2 Chemical stability:

Stable under normal conditions use.

10.3 Possibility of hazardous reactions:

No hazardous reactions observed.

10.4 Conditions to avoid:

Open flames, hot surfaces, and sources of ignition. Avoid contact with incompatible materials.

10.5 Incompatible materials:

Strong acids. Strong bases.

10.6 Hazardous decomposition products

Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO₂ may be developed.

Section 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (Oral, LD50): No data available

Acute toxicity (Dermal, LD50): No data available

Acute toxicity (Inhalation, LC50): No data available

Skin corrosion/irritation: No data available

Serious eye damage/irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration hazard: No data available

11.2 Information on toxicological effects

11.2.1 Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

The substance/mixture has no endocrine disrupting properties.

11.2.2 Other information

No additional information available

Section 12: Ecological information

12.1 Toxicity

No harmful effects under normal use.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

The substance/mixture has no endocrine disrupting properties

12.7 Other adverse effects

No further relevant information available.

Section 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Section 14: Transport information

14.1 ICAO/IATA

14.1.1 UN number

Not regulated

14.1.2 UN proper shipping name

Not regulated

14.1.3 Transport hazard class(es)

Not regulated

14.1.4 Packing Group

Not regulated

14.1.5 Environmental hazards

Not regulated

14.1.6 Special precautions for user

Not regulated

14.1.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

Section 15: Regulatory information

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

Water contaminating class (Germany): Not water endangering

(in accordance with Annex 1 to the Directive on Water-Hazardous Substances)

15.2 Chemical safety assessment

No data available.

Section 16: Other information**Revision information**

Date of this revision: November 3, 2023

Declare to reader

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