

Raise3D Hyper Speed ABS V2 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 Speed ABS V2 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 V2

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: 112 (General emergency telephone number (EU))

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 (%)
Acrylonitrile-Butadiene- Styrene copolymer	9003-56-9	> 90

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 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.

First-aid measures after eye contact

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

First-aid measures after 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.

First-aid measures after ingestion

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

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

Water spray, alcohol-resistant foam, dry powder, or carbon dioxide.

Unsuitable extinguishing media

Avoid using DC water to extinguish fire, so as to avoid material splashes and fire spread.

5.2 Special hazards arising from the substance or mixture

Burning releases carbon oxides and nitrogen oxides. In the event of fire and/or explosion do not breathe fumes.

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5.3 Advice for firefighter

Wear self-contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental release measures

Product is a solid, no leakage.

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

For further dispose measure see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

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.

7.3 Specific end use(s)

No other specific use.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits:

This substance has no PEL, TLV, or other recommended exposure limit.

8.2 Exposure controls

Respiratory protection:

No special protection required.

Eye protection:

No special protection required.

Skin and body 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.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Solid

Colour: Various colours

Odour: Odourless

Odour threshold: Not available

Melting point/Freezing point: 210°C

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 applicable

Decomposition temperature: Not applicable

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: Not available

Relative density: 1.1

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:

The substance is stable under normal storage and handling conditions.

10.2 Chemical stability:

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions:

No hazardous reactions known.

10.4 Conditions to avoid:

Incompatible materials.

10.5 Incompatible materials:

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides. Nitrogen oxides.

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

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

13.2 Contaminated packaging

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

Section 14: Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Packing group	Not regulated	Not regulated	Not regulated	Not regulated
Environmental hazards	No	No	No	No
Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
Transport in bulk according to Annex II of Marpol and the IBC Code	Not regulated	Not	Not regulated	Not regulated

Section 15: Regulatory information

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

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations:

Not applicable.

Chemical safety assessment

YES

NO

Section 16: Other information**16.1 Revision information**

Date of this revision: Sep. 26, 2023

16.2 Indication of changes:

Version 1.0 Amended by (EU) 2020/878.

16.3 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation for rail International transportation of Dangerous goods.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

IMDG: Code international maritime dangerous goods code.

ICAO-TI: International Civil Aviation Organization The International Civil Aviation Covenant.

IATA: International Air Transport Association.

LC50: Median lethal concentration.

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration.

DNEL: Derived no-effect level.

PNEC: Predicted no-effect concentration.

16.4 Key literature references and sources for data

ECHA Registered substances data.

16.5 Training instructions

Not applicable.

16.6 Further information

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.7 Declare to reader

The information above is believed to be accurate and represents the best information currently available to us.

However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.

This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.