

# Raise3D Premium ASA Safety Data Sheet

Prepared in accordance with Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878, and Regulation (EC) No 1272/2008 (CLP).

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier:

**Trade name:** Raise3D Premium ASA 3D Printing Filament

**UFI:** Not required / not assigned. The product is not classified as hazardous under Regulation (EC) No 1272/2008 (CLP).

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

**Relevant identified uses:** 3D printing filament for additive manufacturing.

**Uses advised against:** No uses advised against have been identified when used as directed.

### 1.3 Details of the supplier of the safety data sheet

**Supplier:**

Raise 3D Technologies, Inc.

**Address:**

13310 Pike Road, Stafford, TX 77477

**Manufacturer address:**

Building A1, Huanghai Road, Tongzhou District, Nantong City, Jiangsu Prov. China 226300

### 1.4 Emergency information

*In case of toxicological emergency, contact your doctor first.*

*Emergency phone number: +86-021-65337855*

*Contact person (E-mail): Dr. Jin (minde.jin@raise3d.com)*

*Emergency contact information from Raise3D USA location:*

*United States*

*13310 Pike Road, Stafford, TX 77477*

*Tel: +1 888 963 9028.*

## Section 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture (REGULATION (EC) No 1272/2008)

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 (CLP).

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard codes
Not classified	No hazard code assigned

## 2.2 Label elements

**Hazard Pictograms:** No hazard pictogram is used.

**Signal Word(S):** No signal word is used.

**Hazard statement:** No hazard statement is required because the product is not classified as hazardous under CLP.

**Precautionary statement:** No CLP precautionary statement is required. Observe general good industrial hygiene practice.

## 2.3 Other hazards

The product does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII. Based on available information, this mixture does not contain substances identified as having endocrine disrupting properties at a concentration of 0.1% or higher. Dust generated by mechanical processing or fumes generated during overheating may cause respiratory irritation. Molten material may cause thermal burns.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Ingredient(s):** The product is a polymer mixture. No classified hazardous ingredients are present above disclosure thresholds based on available information.

Chemical Name	Registration No.	CAS No.	Concentration	Classification
Acrylonitrile Styrene Acrylate	Not assigned	25852-38-4	97-100%	Not Classified
Typical stabilizers & lubricants	Not assigned	Not disclosed / not assigned	0-3%	Not Classified

## Section 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

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

#### 4.1.1 General advice:

If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.

#### 4.1.2 If inhaled:

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.

#### **4.1.3 In case of 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.

#### **4.1.4 In case of eye contact:**

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

#### **4.1.5 If swallowed:**

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**

The product is not classified as harmful to human health effect.

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

Symptomatic treatment.

## **Section 5: FIRE FIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media:**

Use extinguishers suitable for surrounding fire.

#### **Unsuitable extinguishing media:**

No known unsuitable extinguishing media. Do not use a water jet if it may spread molten material.

### **5.2 Special hazards arising from the substance or mixture**

#### **Specific hazards during firefighting:**

No specific fire or explosion hazard. In case of fire, the following can be released: carbon monoxide, carbon dioxide.

### **5.3 Advice for fire fighters**

#### **Special protective equipment for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

#### **Further information:**

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

#### 6.1.1 For non-emergency personnel:

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

#### 6.1.2 For emergency responders:

Avoid skin and eye contact. Refer to section 8 of SDS for personal protection details.

### 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

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## Section 7: HANDLING AND STORAGE

### 7.1 Handling

#### Advice on safe handling:

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

#### Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

#### Advice on protection against fire and explosion:

Normal measures for preventive fire protection.

#### Dust explosion class:

No data available.

## 7.2 Conditions for safe storage, including any incompatibilities

### Requirements for storage areas and containers:

Store spool in a dry, cool and ventilated place.

### Further information on storage conditions:

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.

### Advice on common storage:

Keep away from oxidizing agents and strongly acid or alkaline materials. Keep away from food, drink and animal feeding stuffs.

### Storage temperature:

> 0 °C and <= 40 °C

### Other data:

No decomposition if stored and applied as directed.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure limits:

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

#### 8.1.2 Additional exposure limits under the conditions of use:

No additional exposure limits have been established for this product under normal conditions of use.

#### 8.1.3 DNEL/DMEL and PNEC-Values:

No DNEL/DMEL or PNEC values have been established for this polymer mixture.

### 8.2 Biological limit values

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

### 8.3 Appropriate engineering controls:

Use adequate ventilation to keep airborne concentrations low.

### 8.4 Individual protection measures, such as personal protective equipment:

**Eye/face protection:** No special requirements.

**Hand protection:** No special requirements.

**Body protection:** No special requirements.

**Respiratory protection:** No special requirements.

**Thermal hazards:** Wear suitable protective clothing to prevent heat.

### 8.5 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.

### 8.6 Environmental exposure controls:

Avoid discharge into the environment. Dispose of rinse water in accordance with local and national regulations.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Property	Result / value	Remarks
Physical state	Solid filament	Appearance under normal conditions.
Colour	Black, white, grey	May vary depending on product colour grade.
Odour	Odourless	No characteristic odour under normal conditions.
Melting point/freezing point	Not determined	Polymer filament softens/melts over a temperature range; no single melting point is applicable.
Boiling point or initial boiling point and boiling range	Not applicable	Solid polymer; decomposition may occur before boiling.
Flammability	Not classified as flammable	Solid polymer filament; avoid ignition sources and overheating.
Lower and upper explosion limit	Not applicable	Not applicable to solid filament under normal use.
Flash point	Not applicable	Not applicable to solid filament.
Auto-ignition temperature	Not determined	No test data available for the mixture.
Decomposition temperature	Not determined	Thermal decomposition may release carbon oxides and nitrogen oxides.
pH	Not applicable	Solid, water-insoluble polymer.
Kinematic viscosity	Not applicable	Solid product.
Solubility	Insoluble in water	Water solubility.
Partition coefficient n-octanol/water (log value)	Not applicable	Not applicable to an insoluble polymer mixture.
Vapour pressure	Not applicable	Solid polymer with negligible vapour pressure under normal conditions.
Density and/or relative density	Relative density: 1.07	Typical value.

<b>Relative vapour density</b>	Not applicable	Solid product.
<b>Particle characteristics</b>	Not applicable	Product is supplied as filament, not powder or nanoform.

## 9.2 Other information

**9.2.1 Information with regard to physical hazard classes:** No additional information indicating explosive, oxidising, self-reactive, pyrophoric or other physical hazard classification is available for the product as supplied.

**9.2.2 Other safety characteristics:** No additional safety characteristics have been determined.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

The substance is stable under normal storage and handling conditions.

### 10.2 Chemical stability:

Stable at room temperature in closed containers under normal storage and handling conditions.

### 10.3 Possibility of hazardous reactions:

No dangerous reactions known.

### 10.4 Conditions to avoid:

Incompatible materials.

### 10.5 Incompatible materials:

**Materials to avoid:** 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:** Based on available data, the classification criteria are not met. ATEmix values are not available.

**Skin corrosion/irritation:** Not classified.

**Serious eye damage/irritation:** Not classified. Mechanical dust may cause temporary eye irritation.

**Respiratory or skin sensitisation:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Not classified.

**Reproductive toxicity:** Not classified.

**STOT - single exposure:** Not classified.

**STOT - repeated exposure:** Not classified.

**Aspiration hazard:** Not classified; not applicable to a solid filament.

## 11.2 Information on other hazards

**Endocrine disrupting properties:** Based on available information, this mixture does not contain substances identified as having endocrine disrupting properties at a concentration of 0.1% or higher.

**Other information:** Dust generated by cutting, grinding or mechanical processing may cause irritation. Fumes generated by overheating or thermal decomposition may irritate the respiratory tract.

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

No aquatic toxicity data are available for the mixture. The product is not classified as hazardous to the aquatic environment according to Regulation (EC) No 1272/2008.

### 12.2 Persistence and degradability

No mixture-specific data are available. Polymer material is expected to degrade slowly in the environment.

### 12.3 Bioaccumulative potential

No mixture-specific data are available.

### 12.4 Mobility in soil

No mixture-specific data are available. The product is water-insoluble and is expected to have low mobility as supplied.

### 12.5 Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB in accordance with REACH Annex XIII based on available information.

### 12.6 Endocrine disrupting properties

Based on available information, this mixture does not contain substances identified as having endocrine disrupting properties at a concentration of 0.1% or higher.

### 12.7 Other adverse effects

Avoid release to the environment. Do not allow filament, scraps or packaging waste to enter drains, waterways or soil.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Disposal method****Disposal:**

The material should be disposed of by incineration in a chemical incinerator in compliance with national and regional requirements.

**Contaminated packaging:**

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

**Section 14: TRANSPORT INFORMATION**

**Transport classification:** Not regulated as dangerous goods for ADR/RID, ADN, IMDG or ICAO/IATA transport.

Item	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
<b>UN number or ID number</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN proper shipping name</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport hazard class(es)</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Packing group</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Environmental hazards</b>	No	No	No	No
<b>Special precautions for user</b>	No special transport precautions required. See Sections 7 and 8.	No special transport precautions required. See Sections 7 and 8.	No special transport precautions required. See Sections 7 and 8.	No special transport precautions required. See Sections 7 and 8.
<b>Maritime transport in bulk according to IMO instruments</b>	Not relevant to this mode	Not relevant to this mode	Not transported in bulk	Not relevant to this mode

**Section 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**Relevant information regarding authorization:** No authorisation requirement identified under REACH Annex XIV based on available information.

**Relevant information regarding restriction:** No specific REACH Annex XVII restriction has been identified for the product as supplied based on available information.

**Other EU regulations:** Regulation (EC) No 1907/2006 (REACH), Regulation (EU) 2020/878 and Regulation (EC) No 1272/2008 (CLP) apply to the SDS and classification/label information. Employment restrictions concerning young persons must be observed where applicable.  
For use only by technically qualified individuals.

**Other National regulations:** Observe applicable national and local regulations.

**15.2 Chemical safety assessment**      YES       NO

## Section 16: OTHER INFORMATION

### Revision information

Date of this revision: April 29, 2026.

### 16.1 Indication of changes:

Version 5.3 updated to align with Regulation (EU) 2020/878. Major updates: Section 1.1 UFI statement, Section 2.3 other hazards/PBT/vPvB/endocrine-disrupting properties, Section 9 table format, Section 11.2 endocrine-disrupting information, Section 12.6 ecological endocrine-disrupting information, and Section 14 transport table format.

### 16.2 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.

### 16.3 Key literature references and sources for data

ECHA Registered substances data.

### 16.4 Training instructions

No product-specific training is required beyond normal workplace handling, safe 3D printing operation and this SDS.

**16.5 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.

**16.6 Declare to reader**

Information is referenced from other manufacturers.

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

This safety data sheet has been prepared in accordance with Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878. Label elements are provided according to Regulation (EC) No 1272/2008 (CLP).

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