

# Raise3D Premium ABS 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: IDENTIFICATION

### 1.1 Product identifier

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

**UFI:** Not applicable (mixture not classified as hazardous under CLP).

**Additional identification:** Nanoform is not covered by this SDS.

Identification of the product.: See section 3

**Index number:** Not available.

**REACH registration No.:** Not available.

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

#### 1.2.1 Relevant identified uses

3D Printing Filament

#### 1.2.2 Uses advised against

No specific uses advised against are identified when the product is used as intended.

### 1.3 Manufacturer information

**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)*

Only available during office hours (9:00a.m.-18:00p.m).

Emergency contact information from Raise3D USA location:

United States

13310 Pike Road, Stafford, TX 77477

Tel: +1 888 963 9028.

## Section 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 [CLP].

### 2.2 Label elements

**Hazard pictograms:** None required.

**Signal word:** None required.

**Hazard statements:** None required.

**Precautionary statements:** None required.

### 2.3 Other hazards

The mixture does not contain substances assessed to be PBT or vPvB at concentrations of 0.1% or above.

Based on available information, no endocrine disrupting properties are known for the mixture.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Ingredient(s):**

Chemical Name	Cas No.	Concentration	Classification according to
			Regulation (EC) No. 1272/2008 [CLP]
Acrylonitrile-Butadiene- Styrene terpolymer	9003-56-9	>95%	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: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media:

Use extinguishers suitable for surrounding fire.

#### Unsuitable extinguishing media:

None known.

## 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:**

None known.

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

No data available for the 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	Value
Physical state	Solid filament.
Colour	Black, White, Grey.
Odour	Odourless.
Melting point/freezing point	Approx. 210 °C (melting point).
Boiling point or initial boiling point and boiling range	Not applicable / no data available for polymeric solid material.
Flammability	No data available.
Lower and upper explosion limit	Not applicable / no data available for solid filament under normal conditions.
Flash point	Not applicable / no data available for solid material.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	Not applicable (solid).
Kinematic viscosity	Not applicable (solid).
Solubility	Insoluble in water.
Partition coefficient n-octanol/water (log value)	No data available.
Vapour pressure	Not applicable / negligible under normal conditions.
Density and/or relative density	Relative density: 1.1.
Relative vapour density	Not applicable.
Particle characteristics	Not applicable (product supplied as filament, not as particulate).

### 9.2 Other information

Item	Information
9.2.1 Information with regard to physical hazard classes	No additional information relevant to physical hazard classification is available.
9.2.2 Other safety characteristics	No further relevant safety characteristics are known.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

The mixture 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 toxicological effects

**Acute toxicity:**

**ATEmix(oral):** Not available.

**ATEmix(Dermal):** Not available.

**ATEmix(inhalation):** Not available.

**LD50(Oral, Rat):** Not available.

**LD50(Dermal, Rabbit):** Not available.

**LC50(Inhalation, Rat):** Not available.

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

**Serious eye damage/irritation:** Not classified.

**Respiratory or skin sensitization:** 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.

## 11.2 Information on other hazards

### 11.2.1 Endocrine disrupting properties

Based on available information, no adverse health effects caused by endocrine disrupting properties are known for this mixture.

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

**Acute (short-term) toxicity:**

**LC50(96h, Fish):** Not available.

**LC50(48h, Crustacea):** Not available.

**EC50(72h, Algae/aquatic plants):** Not available.

**Chronic (long-term) toxicity:**

**NOEC(Fish):** Not available.

**NOEC(Crustacea):** Not available.

**EC50(Algae/aquatic plants):** Not available.

### 12.2 Persistence and degradability

No data is available on the degradability.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Based on available information, the mixture does not contain substances assessed to be PBT or vPvB at concentrations of 0.1% or above.

## 12.6 Endocrine disrupting properties

Based on available information, no endocrine disrupting properties with respect to the environment are known for the mixture.

## 12.7 Other adverse effects

No other adverse effects are known.

No data available.

## 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

The product is not regulated as dangerous goods for transport.

Item	ADR/RID	ADN	IMDG	IATA
UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	Not regulated.	Not regulated.	Not regulated.	Not regulated.
Transport hazard class(es)	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	None known; see Section 7.	None known; see Section 7.	None known; see Section 7.	None known; see Section 7.

Maritime transport in bulk according to IMO instruments	Not applicable.	Not applicable.	Not applicable.	Not applicable.
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## 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.

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

## Section 16: OTHER INFORMATION

### Revision information

**Date of this revision:** April 26, 2026

### 16.1 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.

## 16.2 Key literature references and sources for data

ECHA Registered substances data.

## 16.3 Training instructions

Not applicable.

## 16.4 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.

## 16.5 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).

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.