



## 1. Identification of the substance/preparation and company

### 1.1. Product identification

xDENT341-Beige

### 1.2. Chemical name

3D Print material

### 1.3. Product Type

Liquid

### 1.4. Recommended Use

For use with 3D Printer, NOT for human use

### 1.5. Company

Nexa3D, Inc.  
1923 Eastman Ave. STE 200  
Ventura, CA 93003

Telephone: 1-805-465-9001  
E-mail address: info@nexa3d.com

### 1.6. Emergency telephone number

ChemTel 1-800-255-3924 (USA), 1-813-248-0585 (international), Contract MIS3892732

## 2. Hazards Identifications

### 2.1. Classification of the substance or mixture:

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts. The methodologies used are mentioned at the respective test results.

**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

Eye Dam./Irrit. 2	H319 Causes serious eye damage.
Acute Tox. 4	H302 Harmful if swallowed.
Skin Corr./Irrit. 2	H315 Causes skin irritation.
Skin Sens. 1B	H317 May cause an allergic skin reaction.

Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.
STOT RE 2 (oral)	H373 May cause damage to organs through prolonged or repeated oral exposure.

For the classifications not written out in full in this section the full text can be found in section 16.

## 2.2. Label elements:

### Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statements:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life

Precautionary Statements:

Prevention:

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing mist or vapor or spray.
P264	Wash hands thoroughly after handling, wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.

Response:

P301+P317	IF SWALLOWED: Get medical help.
P302+P352	IF ON SKIN: wash with plenty of water
P317	Get emergency medical help.
P318	if exposed or concerned, get medical advice.
P319	Get medical help if you feel unwell.
P321	Specific treatment
P330	Rinse mouth.
P332+P317	If skin irritation occurs: Get medical help.
P333+P313	IF SKIN irritation or rash occurs: Get medical advice/attention.
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Storage:  
P405 Store locked up.

Disposal:  
P501 Dispose of items and containers in accordance with local and national regulations.

### 3. Composition/Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### 3.1. Substances:

Not applicable

#### 3.2. Mixtures:

Chemical Name	CAS No.	% by Weight
Acrylate Oligomer(s)	Trade-secret	30-40
Acrylate Monomer(s)	5117-12-4	50-60
Photoinitiator(s)	75980-60-8	1-3
Color Paste	42978-66-5 13463-67-7	0.5-1

As far as the supplier is aware of the concentration, the health or safety aspects of this material have not been fully evaluated.

### 4. First Aid Measures

#### 4.1. Description of necessary first aid measures

Inhalation:

1. Move the patient to fresh air.
2. Get medical attention if you feel unwell.

Skin Contact:

1. Immediately wash the skin with plenty of soap and water.
2. Remove contaminated clothing and shoes and clean them before use.

Eye contact:

1. Immediately open the eyelids and rinse the eyes with plenty of running water for 15 minutes.
2. Get medical attention immediately.

Ingestion:

1. Do not induce vomiting.
2. If the patient is conscious, give plenty of milk or water to drink.
3. Get medical attention immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases

available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far.

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

## 5. Fire-Fighting Measures

### 5.1. Dangerous Characteristics:

If open fire, high heat combustible, and release toxic gases. When exposed to light, it reacts violently and gives off intense heat, turning the liquid into a solid.

### 5.2. Hazardous thermal decomposition product:

Carbon monoxide and carbon dioxide.

### 5.3. Suitable:

Foam, water mist, dry powder or carbon dioxide can be used.

### 5.4. Not Suitable:

None known.

### 5.5. Advice for fire-fighters:

Wear full-body chemical protective clothing and air respirator (plus anti - flash aluminum cover when necessary)

## 6. Accidental Release Measures

### 6.1. For emergency responders:

1. Restrict people from entering the area.
2. Wear appropriate personal protective equipment.
3. Make sure that the cleanup is the responsibility of the trained personnel.

### 6.2. Environmental precautions:

Non - essential personnel should try to stay away from the leak area.

### 6.3. Methods and materials for containment and cleaning up:

1. Do not touch or traverse the spill and try to stop the leak without jeopardizing the safety of the personnel.
2. Ventilate and try to stop the leak in a safe situation.
3. Remove flammable substances.

## 7. Safe Handling and Storage

### 7.1. Precautions for safe handling

Protective measures:

Closed operation. Operators must be specially trained and strictly abide by the operating procedures. It is suggested that operators should wear self-inhalation filter respirator, chemical safety glasses, protective clothing and rubber gloves.

Advice on general occupational hygiene:

Keep away from fire and heat. Smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Do not weld, cut, etc before removing liquid. Avoid contact with oxidants. The container and the transmission device need to be grounded to prevent static electricity. The filling speed should be controlled, and there is a grounding device to prevent the accumulation of static electricity. Equipped with the corresponding varieties and quantities of fire equipment and leakage emergency treatment equipment. Product residue (liquid) remains in empty containers and may be dangerous.

#### **7.2. Conditions for safe storage:**

1. Cover the container with a lid when not in use.
2. Keep away from fire.
3. Place in a cool place.
4. Wipe clean when there is overflow.

#### **7.3. Specific end use(s):**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## **8. Exposure Controls/Personal Protection**

### **8.1. Personal protective equipment :**

Hand protection :

Anti - seepage gloves, the material is rubber - like, polyvinyl alcohol is preferred.

Blinking protection :

Chemical safety splash guard goggles, face shield.

Skin and body protection :

One-piece protective clothing and work boots of the above materials.

### **8.2. Hygiene measures :**

1. Take off contaminated clothing after work and wash it before you can wear it again.
2. Smoking or eating is strictly prohibited in the workplace
3. After handling this, wash your hands with soap.
4. Maintain workplace cleanliness.

## **9. Physical and Chemical Properties**

### **9.1. Information on basic physical and chemical properties:**

Physical state	Liquid
Colour	Beige
Odor	Aromatic
Melting point	< 0 °C
Boiling point	150-250 °C
Flash point	>110°C
Evaporation rate	Not available
Flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Decomposition temperature	Not available
Viscosity	100-200mPa·s (25°C)
Relative density (g/ml, H <sub>2</sub> O=1)	1.1 (water = 1)
Solubility	insoluble in water

## 9.2. Other information:

If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

### 10.1. Chemical Stability:

Stability under normal conditions.

### 10.2. Hazardous decomposition products:

Avoid contact with fire sources to avoid causing a combustion reaction.

### 10.3. Conditions to avoid:

Do not touch the eyes and contact with fire.

## 11. Toxicological Information

### 11.1. Exposure route:

Inhalation:

Vapor inhalation may irritate the respiratory tract.

Skin:

Prolonged repeated contact may cause discomfort.

### 11.2. Local Effect:

None known.

### 11.3. Sensitivity:

None known.

**11.4. Chronic or long - term toxicity:**

Bronchial irritation

**11.5. Special effect:**

None known.

## 12. Ecological Information

**12.1. Water hazard category 1:**

Do not expose undiluted or large products to groundwater, waterways or sewage systems. Do not release materials into the environment without permission.

**12.2. Persistence and degradability:**

Due to low volatility, it will not be released into the atmosphere

**12.3. Mobility in soil:**

Not available.

**12.4. Other adverse effects:**

None known significant effects or critical hazards.

## 13. Disposal Considerations

**13.1. Disposal methods:**

Refer to the relevant regulations for handling.

## 14. Transport Information

UN number :

Not classified as hazardous goods

UN Transport Name :

Not classified as hazardous goods

Transportation hazard classification :

Not classified as hazardous goods

Packing category :

Not classified as hazardous goods

Marine pollutants (yes/no):

No

Special shipping methods and precautions :

Keep containers from falling, dropping, and towing. Protect the container from direct sunlight.

## 15. Regulatory Information

### 15.1. Applicable regulations:

Labor safety and health facilities rules  
Hazardous and Hazardous General Rules  
Harmful allowable concentration standards in the air of labor operations  
Road traffic safety rules  
Business waste storage and disposal methods and facilities standards

### 15.2. TSCA inventory listing:

Chemical Name	CAS No.	% by Weight	Status
Acrylate Oligomer(s)	Trade-secret	30-40	Listed
Acrylate Monomer(s)	5117-12-4	50-60	Listed
Photoinitiator(s)	75980-60-8	1-3	Listed
Color Paste	42978-66-5 13463-67-7	0.5-1	Listed

### 15.3. SARA Sec.313:

This product does not contain chemicals at levels greater or equal to 0.1wt% subject to the reporting requirements under Section 313.

### 15.4. California Prop.65, Safe Drinking Water & Toxic Enforcement Act:

This product does not contain any Proposition 65 chemicals.

## 16. Other Information

The above information is provided. The company has tried to correct the above information, but the error is still inevitable. The data and information are for reference only. Users are responsible for judging their availability according to the application requirements.