## 1 Identification of the mixture and of the company

**Identification of the mixture: Nexa3D xCast**
**Relevant identified uses of the mixture:** Material for NXE400
**Details of the supplier of the Safety DATA Sheet:**
1923 Eastman Ave, Suite 200, Ventura, CA 93003
Tel. 1-805-465-9001 E-mail: info@nexa3d.com
**Emergency telephone number:**
ChemTel 1-800-255-3924 (US) / 1-813-248-0585 Contract MIS3892732

## 2 Hazards identification

**Classification of the mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

Skin Irrit. 2, H315
Eye Irrit. 2, H319
Skin Sens. 1, H317

**Classification according to Directive 1999/45/EC**

Irritant Xi; R36/R38
Sensitising; R43

For full text of R-phrases: see Section 16

**Label elements**
Labelling according to Regulation (EC) No 1272/2008[CLP]

Hazard pictograms:

Signal word: **Warning**

| | | |
|---|---|---|
| Hazard statements: | H315 | Causes skin irritation |
| | H319 | Causes serious eye irritation |
| | H317 | May cause an allergic skin reaction |
| Precautionary statements: | P280 | Wear protective gloves/protective clothing/eye protection/face protection |

## 3 Composition / information on ingredients

**Description of the mixture: Mixture of multi-functional acrylic monomers**

**Hazardous ingredients:**

| Name | CAS-No | %[weight] | Classification according to 67/548/EEC | Classification according to Regulation (EC) No 1278/2008 (CLP) |
|---|---|---|---|---|
| Ester of Acrylic Acid | proprietary | 85-95 | Irritant:Xi R36/38<br>Sensitising: R43 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317 |

## 4 First aid measures

**General advise:** Remove contaminated clothing.
**If inhaled:** Move affected person to fresh air.
**If on skin:** Wash with plenty of soap and water. If skin irritation or rash occurs: get medical attention.
**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, If eye irritation consists: get medical attention.
**If swallowed:** Rinse mouth. Do not induce vomiting.

## 5 Fire fighting measures

**Suitable extinguishing media:** Dry chemical, chemical foam, water.
**Hazardous Combustion products:** Carbon monoxide, carbon dioxide and nitrogen oxides.
**Fire fighting advice:** Wear full protective clothing including helmet and facemask.

## 6 Accidental release measures

Use appropriate Personal Protective Equipment during clean up.
Remove source of heat, sparks, flame, impact, friction or electricity. Dike spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material.
Liquid solidifies when exposed to sunlight or another ultraviolet light source. Solidify waste material before disposal.

## 7 Handling and storage

**Handling:** Prevent skin and eye contact. Wash thoroughly after handling.
**Storage:** Keep container tightly closed and in a cool place. Do not store or consume food, drink or smoke in areas where they may become contaminated with this material.

## 8 Exposure controls and Personal protection

**Generally Applicable Control Measure and Precautions:**
No exposure limits have been established for this mixture.

**Personal Protection Equipment:**
Use only with adequate ventilation. Wearing safety glasses is needed as part of good industrial hygiene work practices. Wear impervious gloves to avoid skin contact when handling the liquid resin. Once the liquid material has been exposed to ultraviolet light and thermally treated in accordance with specified methods, it becomes a solidified mass. Contact with the solidified material is not likely to be hazardous.

## 9 Physical and chemical properties

| | | | |
|---|---|---|---|
| **Appearance:** | yellow liquid | **Odour:** slight acrylic | |
| **pH:** | NA | **Melting point:** | <-18°C |
| **Initial boiling point:** | NA | **Flash point:** | > 200°C |
| **Evaporation rate:** | NA | **Flammability:** | NA |
| **Upper/Lower flammability:** | NA | **Vapour pressure:** | NA |
| **Vapor density:** | NA | **Specific gravity:** | 1.06 at 25°C |
| **Water solubility:** | slight | **Partition coefficient:** | NA |
| **Auto-ignition temperature:** | NA | **Decomposition Temperature:** | NA |
| **Viscosity :** | 700-800 mPa·s at 25°C | | |

## 10 Stability and reactivity

**Instability:** Exposure to white light, ultraviolet light or excessive heat will cause the product to solidify.
**Incompatibility:** Incompatible with strong oxidizers, acids or bases.
**Decomposition:** Strong acids or bases may cause hydrolysis.
**Polymerization:** Polymerization can occur. Conditions leading to polymerization are exposure to light or heat.

## 11 Toxicological information

| | | |
|---|---|---|
| **Acute toxicity:** | Oral: | no data available |
| | Inhalation: | no data available |
| | Dermal: | no data available |
| **Irritation/Corrosion:** | Skin: | irritating |
| | Eye: | irritating |
| **Sensitisation:** | Skin: | causes sensitization |

## 12 Ecological information

| | | |
|---|---|---|
| **Toxicity:** | **Fish:** | no data available |
| | **Crustacea:** | no data available |
| | **Aquatic plants:** | no data available |
| | **Other organisms:** | no data available |
| **Persistance and degradability:** | | no data available |
| **Bioaccumulative potential:** | | no data available |
| **Mobility in soil:** | | no data available |
| **Results of PBT and vPvB assessment:** | | no data available |

## 13 Disposal considerations

Do not contaminate drains, soil or surface waters with the material or its container.
Avoid disposal. Attempt to utilize product completely.
Dispose of in compliance with all applicable regulations. Prior to disposal of unused material, consult an approved waste disposal operative to ensure regulatory compliance.

## 14 Transport information

Keep container under the condition of 5-40°C while transporting.
**IATA Information:** Not regulated as a dangerous good.
**IMDG Information:** Not regulated as a hazardous material.
**ADR Information:** Not regulated as a hazardous material.
**RID Information:** Not regulated as a hazardous material.

## 15 Regulatory information

All components are listed or exempt from listing on the EINECS inventories.

## 16 Other information

Relevant R-phrases referred to in section 2 and 3

| | |
|---|---|
| R36/38 | Irritating to eyes and skin. |
| R43 | May cause sensitization by skin contact |

Key

ADR/RID = European Agreement of Dangerous Goods by Road/Rail
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
EINECS = European Inventory of Existing Commercial Chemical Substances

Disclaimer : The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Nexa3D shall not be held liable for any damage resulting from handling or from contact with the product.