Section 1. Product and Company Identification

Product Identification: Photopolymer Resin
Product Trade Name and/or synonyms: SprintRay OnX
Product Class: Mixture of methacrylic acid esters, photoinitiators, proprietary pigment and additive package

Product Use: For use in SprintRay 3D printers: Pro 95S, Pro 55S, Pro 95, Pro 55
Company: SprintRay Inc., 2705 Media Center Drive #100A, Los Angeles, CA 90065
For Emergencies: Call CHEMTREC 800.424.9300

Section 2. Hazard(s) Identification

GHS Hazard Classification of the Substance or Mixture:
Signal Word: Warning
Signal Word: Danger
Signal Word: Environmental Hazard
Skin sensitizers: Category 1B
Hazardous to the Aquatic environment: Category Chronic 2

Precautionary Statement(s):
Prevention:
P260: Do not breathe dust/fume/mist/vapors/spray.
P264: Wash hand thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves.
P285: In case of inadequate ventilation wear respiratory protection.

Response:
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P333 + P313: If skin irritation or rash occurs: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P391: Collect spillage.

Precautionary Statement(s):
P337+P313: If eye irritation persists, get medical attention.
P302+P352: IF ON SKIN, Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs, get medical attention.
P362: Take off contaminated clothing and wash before reuse.
P363: Wash contaminated clothing before reuse.
P308+P313: IF exposed or concerned, get medical attention.

Disposal:
P405: Store locked up.
P501: Dispose of contents and container in accordance with local and national regulations.

NFPA Ratings (0-4)  
Health = 1  
Fire = 1  
Reactivity = 1  
Specific Hazard = 0

HMS Ratings (0-4)  
HEALTH = 1  
FIRE = 2  
REACTIVITY = 1  
PERSONAL PROTECTION = B

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name, Common Name and Synonyms:</th>
<th>CAS # and other unique identifiers</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methacrylate Monomers and Oligomers*</td>
<td>(Proprietary)</td>
<td>N/A</td>
</tr>
<tr>
<td>Acrylic Monomers</td>
<td>(Proprietary)</td>
<td>N/A</td>
</tr>
<tr>
<td>Photoinitiators*</td>
<td>(Proprietary)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Denotes that the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First-Aid Measures

After inhalation: Remove from source of exposure into fresh air. Seek medical attention if any irritation develops.

After skin contact: Wash skin with soap and water. Remove any contaminated clothing and shoes and clean before reuse. Seek medical attention if irritation develops.

Information for Doctors: Treat symptoms conventionally after thorough decontamination.

After swallowing: First aid is unlikely to be required but if necessary, rinse mouth repeatedly with water, ensuring that the water is not swallowed. Seek medical attention.

After eye contact: Hold eye open and rinse continuously with a gentle stream of clean running water for at least 15 minutes. Seek medical attention if any irritation develops.
Section 5. Fire-Fighting Measures

**Suitable extinguishing agents:** Chemical foam, carbon dioxide or dry chemical extinguishers.

**Special hazards arising from the substance or mixture:** Formation of toxic, irritating gases is possible from the decomposition of the methacrylate resins. Heat can cause polymerization with rapid release of energy.

**Advice for firefighters:** Wear full protective equipment (bunker gear) and a self-contained breathing apparatus. (SCBA). Water may not be effective in extinguishing a fire involving this product.

**Protective equipment:** Wear full protective equipment (bunker gear) and a self-contained breathing apparatus. SCBA. Water may not be effective in extinguishing a fire involving this product.

Section 6. Accidental Release Measures

**Environmental precautions:** Avoid releases to the environment. Report releases as required by local and national authorities.

**Methods and material for containment and cleaning up:** Exposure to sunlight or artificial light will cause the resin to polymerize. Spread the paste to maximize the surface area. Once the material is hard, pick up and place into a container for disposal.

**Personal precautions, protective equipment and emergency procedures:** Safety glasses with side shields, gloves and laboratory coat recommended. Water may not be effective in extinguishing a fire involving this product.

Reference to other sections: Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

Section 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with the eyes, skin and clothing. Avoid breathing dust or fumes. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Do not reuse containers. Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for safe storage, including and incompatibilities:** Store in a tightly closed container in a cool (29-90°F/-1.7-32.2°C), well-ventilated location away from incompatible materials. Do not store near high temperatures, light or ignition sources. Do not store in an oxygen-free environment. Avoid freezing the material.

**Specific end use(s):** For professional use only.

Section 8. Exposure Controls / Personal Protection

**Control parameters:** Use in an enclosed process area is recommended.

**Personal protective equipment:** Depending on the conditions of use, protective gloves, apron, boots, head and face protection should be worn. Eye protection such as chemical splash goggles and/or face shield must be worn when the possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor.

**General protective and hygienic measure:** Wash hands after handling material and before eating. See section 7 for full protective measures.

**Breathing Equipment:** None should be needed from normal use. If this material is handled at elevated temperature or under mist forming conditions, approved respiratory protection equipment should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice.

**Protection of hands:** Gloves are recommended. Depending on the conditions of use, lab coat and/or arm shields may be used.

**Material of gloves, Penetration time of glove material:** N/D

Section 9. Physical and Chemical Properties

**Form:** Colored Liquid
**Color:** Colored, or having an intentionally added pigmented
**Odor:** Fruity, ester-like odor.
**Odor Threshold:** N/D

**pH value at 20°C (68°F):** N/D

**Change in Condition**
* Melting point/Melting range: N/D
* Boiling point/Boiling range: N/D

**Flash point:** (PMCC) GT 93°C/200°F
**Flammability (solid, gaseous):** N/D
**Ignition Temperature:** N/D
**Decomposition temperature:** N/D
**Auto Igniting:** N/D
**Danger of explosion:** N/D

**Solids content:** N/D

**Other information:** Specific Gravity: 1.10-1.125 at 25°C/77°F
## Section 10. Stability and Reactivity

| Reactivity: None known. | Possibility of hazardous reactions/Conditions to avoid: Heat, light, sources of contamination or inhibitor depletion may cause spontaneous polymerization generating heat and pressure. Closed containers may rupture or explode during runaway polymerization. |
| Chemical Stability: Stable if handled and stored as directed. | Incompatible materials: Reducing and oxidizing agents, peroxides and amines. |
| Thermal decomposition/Conditions to avoid: Avoid heat, light and sources of contamination. | Hazardous decomposition products: Thermal decomposition may release acrid smoke or fumes, carbon and nitrogen oxides. |

## Section 11. Toxicological Information

| Acute toxicity: Possible irritant. See section 2. | Additional toxicological information: N/D |
| Primary irritant effect: See Section 2 for possible skin and eye irritation and sensitization. | IARC (International Agency for Research on Cancer) None of the components are listed. |
| LD/LC50 values that are relevant for classification: N/D | NTP (National Toxicology Program) None of the components are listed. |

## Section 12. Ecological Information

| Aquatic Toxicity: None of the components are listed. | Additional ecological information: No additional data is available. |
| Persistence and degradability: No data is currently available. | General Notes: Release into the environment should be avoided. Refer to section 13 for disposal information. |
| Behavior in environmental systems: No data is currently available. | Results of PBT and vPvB assessment: N/D |
| Bioaccumulative potential: No data is currently available. | Other adverse effects: None known. |
| Mobility in Soil: No data is currently available. | |

## Section 13. Disposal Considerations

| Waste Treatment Recommendation: Cure material before disposal. Dispose in accordance with all federal, state and local regulations. Consult state and local hazardous waste regulations to ensure complete and accurate classification of waste. US EPA guidelines for the classification of hazardous waste are found in 40 CFR part 261.3. | Uncleaned packaging recommendation: Rinse with alcohol. Contain and dispose of rinse material according to all federal, state and local regulations. |
| Recommended cleansing agent: Isopropyl Alcohol 91% | |

## Section 14. Transport Information

| DOT, ADR, IMDG, IATA: Not Regulated | Danger code (Kemler): N/A |
| UN proper shipping name: Resin | EMS Number: N/A |
| Transport Hazard Class(es): Packing Group 3 - Low Danger | Transport in bulk according to Annex 1 of MARPOL73/78 and the IBC Code: N/A |

## Section 15. Regulatory Information

| Immediate Hazard: Yes | OSHA-Ca (Occupational Safety & Health Administration): None of the components are listed. |
| Delayed Hazard: Yes | GHS Label elements: This product is classified and labeled according to the Globally Harmonized System (GHS) |
| Fire Hazard: No | Hazard pictograms: |
| Pressure Hazard: No | Signal Word: Environmental Hazard |
| Reactivity Hazard: No | Signal Word: Warning |
| Section 355 (extremely hazardous substances): None. | Signal Word: Danger |
| Section 313 (Specific toxic chemical listings): None. | Hazard-determining components of labeling: See Section 2. |
| TSCA (Toxic Substances Control Act): None of the components are listed. | Hazard statements: See Section 2. |
| Proposition 65: Chemicals known to the state of California to cause cancer and/or reproductive toxicity: None. | Precautionary statements: See Section 2. |
| Chemicals known to cause developmental toxicity: None known. | Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out. |
| EPA (Environmental Protection Agency): None of the components are listed. | |
| TLV (Threshold Limit Value established by ACGIH): None of the components are listed. | |
| NIOSH-Ca (National Institute for Occupational Safety and Health): None of the components are listed. | |

## Section 16. Other Information

| Abbreviations and Acronyms: None. | Other information not contained elsewhere: None. |