

**SAFETY DATA SHEET****BlueGrip S2/S3**

Printing date 10/31/2022

Reviewed on 10/31/2022

**1 Identification**

- **GHS product identifier:** BlueGrip S2/S3
- **Product code:** S2/S3
- **Other means of identification:** Not available.
- **Product type:** Solid.  
This product, under the normal conditions of use, meets the definition of an "ARTICLE".

**Relevant identified uses of the substance or mixture and uses advised against**

- **Product use:** Adhesives.  
Cured product.  
The resin present in this product is cured and therefore not likely to be released.
- **Area of application:** Industrial applications.
- **Supplier/Manufacturer:** Blue Photon Technology & Workholding Systems LLC  
994 Industrial Park Drive  
Shelby, MI 49455  
Tel: 1-855-777-2040  
Fax: 1-231-255-9640  
E-mail: info@bluephotongrip.com  
Website: www.bluephotongrip.com
- **Emergency telephone number (with hours of operation):** United States: 1-800-424-9300  
International: +1-703-527-3887

**2 Hazard(s) identification**

- **OSHA/HCS status** While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

- **Classification of the substance or mixture** Not classified.

**GHS label elements**

- **Signal word** No signal word.
- **Hazard statements** No known significant effects or critical hazards.

**Precautionary statements**

- **Prevention** Not applicable.
- **Response** Not applicable.
- **Storage** Not applicable.
- **Disposal** Not applicable.
- **Hazards not otherwise classified** None known.

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### 3 Composition/information on ingredients

- **Substance/mixture:** Substance (Polymer).
- **Other means of identification:** Not available.

#### CAS number/other identifiers

- **CAS number:** Not available.

Ingredient name	Other names	%	CAS number
Acrylic copolymer	-	100	-

The resin present in this product is cured and therefore not likely to be released.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.**

### 4 First aid measures

#### Description of necessary first aid measures

- **Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- **Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- **Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- **Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

- **Eye contact:** No known significant effects or critical hazards.
- **Inhalation:** No known significant effects or critical hazards.
- **Skin contact:** No known significant effects or critical hazards.
- **Ingestion:** No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

- **Eye contact:** No specific data.
- **Inhalation:** No specific data.
- **Skin contact:** No specific data.
- **Ingestion:** No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

- **Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- **Specific treatments:** No specific treatment.
- **Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

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### 4 First aid measures

See toxicological information (Section 11)

### 5 Fire-fighting measures

#### Extinguishing media

- Suitable extinguishing media: Use dry chemical or CO<sub>2</sub>.
- Unsuitable extinguishing media: Do not use water jet.
- Specific hazards arising from the chemical: No specific fire or explosion hazard.
- Hazardous thermal decomposition products: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
- Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6 Accidental release measures

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

- For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

- Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

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### 7 Handling and storage

#### Precautions for safe handling

- **Protective measures:** Put on appropriate personal protective equipment (see Section 8).
- **Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- **Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store away from direct sunlight. Keep container tightly closed and properly labeled. Keep in a cool, well-ventilated place. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 8 Exposure controls/personal protection

#### Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
Acrylic copolymer	None.

- **Appropriate engineering controls:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- **Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

- **Hygiene measures:** 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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- **Eye/face protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

#### Skin protection

- **Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- **Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- **Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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**8 Exposure controls/personal protection**

- **Respiratory protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**9 Physical and chemical properties****Appearance**

- **Physical state:** Solid.
- **Color:** Colors may vary; Please refer to COA/Specification sheet for details.
- **Odor:** Characteristic.
- **Odor threshold:** Not available.
- **pH:** Not available.
- **Melting point:** Not available.
- **Boiling point:** >100°C (>212°F)
- **Flash point:** Closed cup: 97°C (206.6°F)
- **Evaporation rate:** Not available.
- **Flammability (solid, gas):** Not available.
- **Lower and upper explosive (flammable) limits:** Not available.
- **Vapor pressure:** >0 kPa (>0 mm Hg) [room temperature]
- **Vapor density:** Not available.
- **Relative density:** Not available.
- **Density:** Not available.
- **Solubility:** Insoluble in the following materials: cold water and hot water.
- **Partition coefficient:** Not available.  
n-octanol/water
- **Auto-ignition temperature:** 374°C (705.2°F)
- **Decomposition temperature:** Not available.
- **SADT:** Not available.
- **Viscosity:** Not available.
- **Flow time (ISO 2431):** Not available.

**10 Stability and reactivity**

- **Reactivity:** No specific test data related to reactivity available for this product or its ingredients.
- **Chemical stability:** The product is stable.
- **Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not occur.
- **Conditions to avoid:** No specific data.
- **Incompatible materials:** No specific data.

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### 10 Stability and reactivity

- |  |  |
|--|--|
| - <b>Hazardous decomposition products:</b> | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|--|--|

### 11 Toxicological information

#### *Information on toxicological effects*

- |  |  |
|--|--|
| - <b>Acute toxicity:</b>                                     | Not available.                                       |
| - <b>Irritation/Corrosion:</b>                               | Not available.                                       |
| - <b>Sensitization</b>                                       | Not available.                                       |
| - <b>Conclusion/Summary Skin:</b>                            | May cause allergic reactions in certain individuals. |
| - <b>Mutagenicity Conclusion/Summary:</b>                    | Not available.                                       |
| - <b>Carcinogenicity Conclusion/Summary :</b>                | Not available.                                       |
| - <b>Reproductive toxicity Conclusion/Summary:</b>           | Not available.                                       |
| - <b>Teratogenicity Conclusion/Summary:</b>                  | Not available.                                       |
| - <b>Specific target organ toxicity (single exposure):</b>   | Not available.                                       |
| - <b>Specific target organ toxicity (repeated exposure):</b> | Not available.                                       |
| - <b>Aspiration hazard:</b>                                  | Not available.                                       |
| - <b>Information on the likely routes of exposure:</b>       | Not available.                                       |

#### *Potential acute health effects*

- |                        |   |
|------------------------|---|
| - <b>Eye contact:</b>  | No known significant effects or critical hazards. |
| - <b>Inhalation:</b>   | No known significant effects or critical hazards. |
| - <b>Skin contact:</b> | No known significant effects or critical hazards. |
| - <b>Ingestion:</b>    | No known significant effects or critical hazards. |

#### *Symptoms related to the physical, chemical and toxicological characteristics*

- |                        |                   |
|------------------------|-------------------|
| - <b>Eye contact:</b>  | No specific data. |
| - <b>Inhalation:</b>   | No specific data. |
| - <b>Skin contact:</b> | No specific data. |
| - <b>Ingestion:</b>    | No specific data. |

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### 11 Toxicological information

#### *Delayed and immediate effects and also chronic effects from short and long term exposure*

##### *Short term exposure*

- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

##### *Long term exposure*

- Potential immediate effects: Not available.
- Potential delayed effects: Not available.
- Potential chronic health effects: Not available.
- **General** No known significant effects or critical hazards.
- **Carcinogenicity:** No known significant effects or critical hazards.
- **Mutagenicity:** No known significant effects or critical hazards.
- **Teratogenicity:** No known significant effects or critical hazards.
- **Developmental effects:** No known significant effects or critical hazards.
- **Fertility effects:** No known significant effects or critical hazards.

##### *Numerical measures of toxicity*

- Acute toxicity estimates: N/A
- Other information: Adverse symptoms may include the following:  
Possible risk of impaired fertility. Do not swallow.

### 12 Ecological information

- Toxicity Conclusion/Summary: Not available.
- Persistence and degradability: Not available.
- Bioaccumulative potential: Not available.
- *Mobility in soil*
- Soil/water partition coefficient ( $K_{oc}$ ): Not available.
- Other adverse effects: No known significant effects or critical hazards.

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**13 Disposal considerations**

**Disposal methods** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**14 Transport information**

	<b>DOT Classification</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	-	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.

**Additional information**

- Special precautions for user:

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- Transport in bulk according to IMO instruments:

Not available.

**15 Regulatory information**

- U.S. Federal regulations:

**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined.**United States inventory (TSCA 8b):** All components are active or exempted.

- Clean Air Act Section 112

(b) Hazardous Air Pollutants (HAPs):

Not listed.

- Clean Air Act Section 602

Class I Substances:

Not listed.

- Clean Air Act Section 602

Class II Substances:

Not listed.

- DEA List I Chemicals

(Precursor Chemicals):

Not listed.

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### 15 Regulatory information

- **DEA List II Chemicals (Essential Chemicals):** Not listed.
- **SARA 302/304 Composition/information on ingredients:** No products were found.
- **SARA 304 RQ:** Not applicable.
- **SARA 311/312 Classification:** Not applicable.
- **Composition/information on ingredients:** No products were found.
- **SARA 313:** Not applicable.
  
- State regulations**
- **Massachusetts:** The following components are listed: ACRYLIC ACID; ACRYLIC ACID (GLACIAL); MALEIC ACID
- **New York:** The following components are listed: Acrylic acid; 2-Propenoic acid; Maleic acid
- **New Jersey:** The following components are listed: ACRYLIC ACID; 2-PROPENOIC ACID; MALEIC ACID; 2-BUTENEDIOIC ACID (2Z)-
- **Pennsylvania:** The following components are listed: 2-PROPENOIC ACID; 2-BUTENEDIOIC ACID (Z)-
- **California Prop. 65:** This product does not require a Safe Harbor warning under California Prop. 65.
  
- International regulations**
- **Chemical Weapon Convention List Schedules I, II & III Chemicals:** Not listed.
- **Montreal Protocol:** Not listed.
- **Stockholm Convention on Persistent Organic Pollutants:** Not listed.
- **Rotterdam Convention on Prior Informed Consent (PIC):** Not listed.
- **UNECE Aarhus Protocol on POPs and Heavy Metals:** Not listed.

### 16 Other information

#### Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		1
Physical hazards		0

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**16 Other information**

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.**

**The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.**

National Fire Protection Association (U.S.A.)



Classification	Justification
Not classified.	

**History**

- Date of issue/Date of revision: 10/31/2022
- Date of previous issue: 04/21/2020
- Version: 1
- Prepared by: Sphera

**Key to abbreviations**

ATE = Acute Toxicity Estimate  
 AMP = Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 N/A = Not available  
 UN = United Nations

**References**

HCS (U.S.A.)- Hazard Communication Standard  
 International transport regulations

 Indicates information that has changed from previously issued version.

**Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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