SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier:

Product Name: Canon Glue-A1 / Canon Glue-A2
Product Code: 1093B

Relevant Identified Uses: Hot melt adhesives

Details of Supplier of Safety Data Sheet:

Supplier: Canon Europa NV
Address: Bovenkerkerweg 59, 1185XB Amstelveen, The Nederlands
Telephone Number: +31 20 5458545, +31 20 5458222
E-mail Address: www.canon-europe.com, ceu-Reach@canon-europe.com
Emergency Telephone Number: DENMARK: +45 82 12 12 12; GERMANY: +49 30 19240, +49 761 19240;
BELGIUM & NETHERLANDS: +32 70 245 245; FRANCE: +33 1 40 05 48 48;
UK only 0845 4647; FINLAND: +358 9 471 977; SWEDEN: +46 8 33 12 31

Manufacturer: Canon Inc.
Address: 30-2, Shimomaruko 3-Chome, Ohta-ku, Tokyo 146-8501, Japan

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview:
If inhaled vapor or fume, may cause respiratory tract irritation.

US Regulatory Status under OSHA HCS:
Classified as hazardous.

US Label Elements
Signal Word: Not required
Hazard Warning: MAY CAUSE RESPIRATORY TRACT IRRITATION.
Safety Advice: Not required
Hazardous Component: None

EU Classification under 1999/45/EC:
Not classified as dangerous.

EU Label Elements under 1999/45/EC:
Symbol & Indication: Not required
R-Phrase: Not required
S-Phrase: Not required
Dangerous Component: Not required

Applicable Label Elements in accordance with Annex V to 1999/45/EC:
Not required

Other Hazards:
None
### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance or Mixture: Mixture

<table>
<thead>
<tr>
<th>Chemical Name/ Generic Name</th>
<th>CAS #/ EC #</th>
<th>Concentration/ Concentration Range (%)</th>
<th>EU Classification according to 67/548/EEC</th>
<th>EU Classification according to (EC) No 1272/2008</th>
<th>Note to Other Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Etylene vinylacetate</td>
<td>24937-78-8/ Not applicable</td>
<td>35 - 55</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>copolymer</td>
<td></td>
<td></td>
<td>R-Phrase*1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pentaerythryl rosinate</td>
<td>8050-26-8/ 232-479-9</td>
<td>30 - 50</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Paraffin wax</td>
<td>8002-74-2/ 232-315-6</td>
<td>10 - 25</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Pentaerythritol tetrakis</td>
<td>6683-19-8/ 229-722-6</td>
<td>&lt; 2</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>(3-3,5-di-tert-butyl-4-</td>
<td></td>
<td></td>
<td>R-Phrase*1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>hydroxyphenyl) propionate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*1 Full texts of R-phrase(s) and Hazard statement(s) are listed in SECTION 16

*2 The following substance(s) is (are) marked with (1), (2) and/or (3)

(1) Substance for which Occupational Exposure Limit(s) is (are) established (See SECTION 8)
(2) PBT substance or vPvB substance under Regulation (EC) No 1907/2006
(3) Substance listed in Candidate List of SVHC for Authorisation under Regulation (EC) No 1907/2006

### Carcinogen(s):

No component of this ink is listed as a human carcinogen or a potential carcinogen in IARC Monographs, NTP, OSHA regulations or Part 3 of Annex VI to Regulation (EC) No 1272/2008.
SECTION 4    FIRST AID MEASURES

First Aid Measures:

Inhalation:
Move to fresh air. If symptoms persist, call a physician.

Ingestion:
Clean mouth with water and afterwards drink plenty of water.

Skin:
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Eye:
Rinse thoroughly with plenty of water for at least 15 minutes and consult physician.

Most Important Symptoms and Effects, both Acute and Delayed:

Inhalation:
If inhaled vapor or fume, may cause respiratory tract irritation.

Ingestion:
Low acute toxicity.

Skin:
If contact with vapor and fume, may cause a slight irritation.

Eye:
If contact with vapor and fume, may cause irritation.

Chronic Effects:
Not identified

Indication of Any Immediate Medical Attention and Special Treatment Needed:
None

SECTION 5    FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media:
CO₂, water, foam or dry chemicals

Unsuitable Extinguishing Media:
Water jet

Special Hazards:
None

Hazardous Combustion Products:
CO, CO₂

Advice for Fire-fighters:
None

SECTION 6    ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Ensure adequate ventilation.

Environmental Precautions:
Prevent further leakage or spillage if safe to do so.

Methods and Material for Containment and Cleaning Up:
Sweep up and shovel into suitable containers for disposal.

Date of Issue: May 19, 2006
Revision Date: September 21, 2012
SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling:
Ensure adequate ventilation.

Conditions for Safe Storage, Including Any Incompatibilities:
Keep container tightly closed in a dry and well-ventilated place.

Specific End Uses:
Hot melt adhesives.
For more information, please refer to the instruction of this product.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters: USA OSHA PEL ACGIH TLV EU OEL

<table>
<thead>
<tr>
<th>Product (Adhesive)</th>
<th>Not established</th>
<th>Not established</th>
<th>Not established</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin wax</td>
<td>Not established</td>
<td>TWA 2 mg/m³ (Paraffin wax fume)</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Exposure Controls:

Engineering Controls: Use appropriate respiratory equipment if needed.

Individual Protection Measures:

- **Eye/Face Protection:** ☐ Required  ☒ Not Required
- **Skin Protection:** ☐ Required  ☒ Not Required
- **Respiratory Protection:** ☐ Required  ☒ Not Required

Date of Issue: May 19, 2006  Revision Date: September 21, 2012
### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Information on Basic Physical and Chemical Properties:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow pellet</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point/Freezing Point (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial Boiling Point and Boiling Range (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>&gt; 220</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper/Lower Flammable or Explosive Limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.0</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Fat Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/Water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity (mPa s)</td>
<td>3200 - 4800 (at 140°C)</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not available</td>
</tr>
<tr>
<td>Other Information</td>
<td>None</td>
</tr>
</tbody>
</table>

### SECTION 10 STABILITY AND REACTIVITY

**Reactivity:** None

**Chemical Stability:**

- [X] Stable  
- [ ] Unstable

**Possibility of Hazardous Reactions:** None

**Conditions to Avoid:** Heat, flames and sparks

**Incompatible Materials:** Acids, bases, oxidizing materials and reducing agents

**Hazardous Decomposition Products:** CO, CO₂
### SECTION 11  TOXICOLOGICAL INFORMATION

#### Information on Toxicological Effects:

**Acute Toxicity:**

- **Inhalation:** Not available

**Ingestion:**

- Estimated LD$_{50}$ > 2000 mg/kg (rat)

**Corrosivity/Irritation:**

- **Skin:** Non-irritant (rabbit) (Estimate)
- **Eye:** Not available

**Sensitization:**

- **Skin:** Non-sensitizer (mouse) (Estimate)

**Repeated Dose Toxicity:**

Not available

**Carcinogenicity:**

Not available

**Mutagenicity:**

- Ames test: Negative (S. typhimurium & E. Coli)

**Toxicity for Reproduction:**

Not available

**Other Information:**

Not available
**SECTION 12  ECOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence and Degradability</td>
<td>Not available</td>
</tr>
<tr>
<td>Bioaccumulative Potential</td>
<td>Not available</td>
</tr>
<tr>
<td>Mobility in Soil</td>
<td>Not available</td>
</tr>
<tr>
<td>Results of PBT and vPvB Assessment</td>
<td>No results that the component(s) of this product meet(s) the PBT or vPvB criteria under Regulation (EC) No 1907/2006.</td>
</tr>
<tr>
<td>Other Adverse Effects</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**SECTION 13  DISPOSAL CONSIDERATIONS**

Disposal should be subject to federal, state and local laws.

**SECTION 14  TRANSPORT INFORMATION**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number</td>
<td>None</td>
</tr>
<tr>
<td>UN Proper Shipping Name</td>
<td>None</td>
</tr>
<tr>
<td>Transport Hazard Class</td>
<td>None</td>
</tr>
<tr>
<td>Packing Group</td>
<td>None</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>Not classified as environmentally hazardous under UN Model Regulations and marine pollutant under IMDG Code.</td>
</tr>
<tr>
<td>Special Precautions for User</td>
<td>None</td>
</tr>
</tbody>
</table>

**SECTION 15  REGULATORY INFORMATION**

**< USA Information >**

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Information</th>
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</thead>
<tbody>
<tr>
<td>SARA Title III §313:</td>
<td></td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Weight %</td>
</tr>
<tr>
<td>None</td>
<td></td>
</tr>
<tr>
<td>California Proposition 65:</td>
<td></td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Weight %</td>
</tr>
<tr>
<td>None</td>
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</table>

**< EU Information >**

<table>
<thead>
<tr>
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<th>Information</th>
</tr>
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<tbody>
<tr>
<td>(EC) No 1907/2006: Authorisation</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Restriction</td>
<td>Not regulated</td>
</tr>
<tr>
<td>(EC) No 1005/2009:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>(EC) No 850/2004:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>(EC) No 689/2008:</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Others:</td>
<td>None</td>
</tr>
<tr>
<td>Chemical Safety Assessment under (EC) No 1907/2006:</td>
<td>Not required</td>
</tr>
</tbody>
</table>

**< Canada Information >**

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Controlled Product</td>
<td>Not a controlled product</td>
</tr>
</tbody>
</table>

**< Australia Information >**

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statement of Hazardous Nature</td>
<td>Not classified as hazardous according to criteria of NOHSC.</td>
</tr>
</tbody>
</table>
SECTION 16 OTHER INFORMATION

<Revised information from the previous version>

Entirely revised

<Term explanation>
Estimate: Estimate based on data of similar product or the ingredient(s) of this product.

Literature References:
- U.S. Department of Labor, 29CFR Part 1910
- U.S. Environmental Protection Agency, 40CFR Part 372
- U.S. Consumer Product Safety Commission, 16CFR Part 1500
- ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices
- U.S. Department of Health and Human Services National Toxicology Program, Annual Report on Carcinogens
- EU Directive 1999/45/EC
- Canada Workplace Hazardous Materials Information System

Abbreviations:
OSHA HCS: Occupational Safety and Health Act, Hazard Communication Standard (USA)
FHSA: Federal Hazardous Substances Act (USA)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
SVHC: Substances of Very High Concern
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program (USA)
OSHA PEL: Permissible Exposure Limit under Occupational Safety and Health Administration (USA)
ACGIH TLV: Threshold Limit Value under American Conference of Governmental Industrial Hygienists
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
NOHSC: National Occupational Health and Safety Commission

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