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

Product Identifier

Product Name
Solid Ink

Part no.

Color
Cyan, Black, Magenta, Yellow

Pure substance/mixture
Mixture

Recommended Use
Printing

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Not classified

Label elements

Symbol(s)
None required

Signal Word
None

Hazard Statements
None required

Precautionary Statements
None required

Other hazards
Not a PBT according to REACH Annex XIII
May form explosible dust-air mixture if dispersed

3. COMPOSITION/INFORMATION ON INGREDIENTS

BR547
Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin wax</td>
<td>8002-74-2</td>
<td>50-60</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Resin</td>
<td>Proprietary</td>
<td>10-20</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Blue dye</td>
<td>Proprietary</td>
<td>0-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Red dye</td>
<td>Proprietary</td>
<td>0-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Yellow dye</td>
<td>Proprietary</td>
<td>0-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Black dye</td>
<td>Proprietary</td>
<td>0-10</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

"--" indicates no classification or hazard statements apply.

4. FIRST AID MEASURES

Description of first-aid measures

General advice
IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact
Not an expected route of exposure, Wash off with plenty of water

Skin contact
Wash off with warm water and soap

Inhalation
Not applicable

Ingestion
Not applicable

Most important symptoms and effects, both acute and delayed

Acute toxicity
Eyes
Not expected to be an irritant
Skin
Not expected to be an irritant
Inhalation
Not applicable
Ingestion
Not applicable

Main symptoms
No known effects under normal use conditions

Aggravated Medical Conditions
None under normal use conditions

Indication of immediate medical attention and special treatment needed

Protection of first-aiders
No special protective equipment required

Notes to physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media
Dry powder, Carbon dioxide (CO₂), Halons

Unsuitable extinguishing media
No information available

Special hazards arising from the substance or mixture

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit

Other information

Flash point
> 221 °C / > 429 °F

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
None required

**Environmental precautions**
No special environmental precautions required

**Methods and material for containment and cleaning up**

<table>
<thead>
<tr>
<th>Methods for containment</th>
<th>Methods for cleaning up</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable</td>
<td>No special precautions are needed in handling this material</td>
</tr>
</tbody>
</table>

**Reference to other sections**
See section 12 for additional ecological information
See Section 13 for additional information

### 7. HANDLING AND STORAGE

**Precautions for safe handling**

<table>
<thead>
<tr>
<th>Advice on safe handling</th>
</tr>
</thead>
<tbody>
<tr>
<td>When using, do not eat, drink or smoke</td>
</tr>
<tr>
<td>For personal protection see section 8</td>
</tr>
</tbody>
</table>

**Conditions for safe storage, including any incompatibilities**

<table>
<thead>
<tr>
<th>Technical measures and storage conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep in properly labeled containers Store at room temperature</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Incompatible products</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
</tr>
</tbody>
</table>

**Specific end uses**

Printing

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure controls**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin wax</td>
<td>TWA: 2 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Black dye</td>
<td>Ceiling: 0.1 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Exposure limits</th>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin wax</td>
<td>TWA: 2 mg/m³</td>
<td>Ceiling: 0.1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Black dye</td>
<td>Ceiling: 0.1 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Engineering measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>None under normal use conditions</td>
</tr>
</tbody>
</table>

**Individual protection measures, such as personal protective equipment (PPE)**

| Eye/face protection | No special protective equipment required |
| Respiratory protection | No special protective equipment required. |

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Odor</th>
<th>Odor threshold</th>
<th>pH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wax like</td>
<td>Faint</td>
<td>No information available</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Cyan, Black, Magenta, Yellow</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flash point</th>
<th>Boiling point/range</th>
<th>Softening point</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 221 °C</td>
<td>/</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>&gt; 429 °F</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Evaporation rate: Not applicable
Flammability Limits in Air: Not applicable

Vapor pressure: Not applicable
Vapor density: Not applicable
Specific gravity: ~ 1 @ 25 °C
Water solubility: Insoluble
Partition coefficient: Not applicable
Autoignition temperature: Not applicable
Decomposition temperature: Not determined
Viscosity: Not applicable
Explosive properties: Not explosive
Oxidizing properties: Not applicable

10. STABILITY AND REACTIVITY

Reactivity
No dangerous reaction known under conditions of normal use

Chemical stability
Stable under normal conditions

Possibility of hazardous reactions
Hazardous reactions: None under normal processing
Hazardous polymerization: Hazardous polymerization does not occur

Conditions to avoid
Temperatures above 200°C

Incompatible Materials
None known

Hazardous decomposition products
Thermal decomposition can lead to release of irritating gases and vapors

11. TOXICOLOGICAL INFORMATION

The toxicity information below is for the solid ink products and is based on studies conducted on each individual Xerox proprietary ingredient. Individual ingredient percent compositions in the ink products were considered in the final assessment.

Information on toxicological effects

Acute toxicity
Product Information
Irritation: Not expected to be an irritant
Oral LD50: No product level data available
Dermal LD50: No product level data available

Component Information
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LC50 Inhalation</th>
<th>Dermal LD50</th>
<th>Oral LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paraffin wax</td>
<td></td>
<td>3600 mg/kg (Rabbit)</td>
<td>5000 mg/kg (Rat)</td>
</tr>
</tbody>
</table>

Chronic toxicity
Sensitization: Not expected to be a sensitizer
Neurological Effects: No information available
Target organ effects: No information available
CMR Effects
- Mutagenic effects: Not expected to be mutagenic
- Reproductive toxicity
- Carcinogenicity: Contains no ingredient listed as a carcinogen

Other toxic effects
- Aspiration Hazard: Not applicable
- Other adverse effects: None known

12. ECOLOGICAL INFORMATION

Toxicity
On available data, the mixture / preparation is not harmful to aquatic life

Persistence and degradability
Not readily biodegradable

Bioaccumulative potential
Bioaccumulation is unlikely

Mobility in soil
Insoluble in water

Other adverse effects
Presents little or no hazard to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Waste Disposal Methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261)
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging
No special precautions are needed in handling this material

California Waste Status
This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black dye</td>
<td>Toxic Corrosive Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Regulatory Status
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Canada**
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

**International Inventories**
- **TSCA**
  - Complies
- **DSL/NDSL**
  - Complies

**U.S. Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black dye</td>
<td></td>
<td>1.0</td>
</tr>
</tbody>
</table>

**Clean Water Act**
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black dye</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>HAPS data</th>
<th>VOC Chemicals</th>
<th>Class 1 Ozone Depletors</th>
<th>Class 2 Ozone Depletors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black dye</td>
<td></td>
<td>0-10</td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**
Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

**16. OTHER INFORMATION**

<table>
<thead>
<tr>
<th>Issuing Date</th>
<th>2008-12-02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date</td>
<td>2018-07-10</td>
</tr>
<tr>
<td>Revision Note</td>
<td>Update to Format</td>
</tr>
</tbody>
</table>

**Disclaimer**
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

end