Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • Skin Marker with Ink

Product Code • 26-001; 26-001NS; 26-002; 26-002NS; 26-003; 26-003NS; 26-004; 26-004NS; 26-005; 26-005NS; 26-006; 26-006NS; 26-017NS; 26-018NS; 26-019; 26-019NS; 26-020; 26-001PR; 26-003PR; 26-005PR; 26-005PRNS; 26-018PRNS

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

Relevant identified use(s) • Skin marker is used to make smooth, clear markings on the skin for perioperative or other procedural settings

1.3 Details of the supplier of the safety data sheet

Manufacturer • DeRoyal Industries, Inc.
200 DeBusk Lane
Powell, TN 37849
United States
www.derooyal.com
customerservice@deroyal.com

Telephone * 800-251-9864
(General)

1.4 Emergency telephone number

* 800-251-9864

Section 2: Hazards Identification

EU/EEC

2.1 Classification of the substance or mixture

CLP • Serious Eye Damage 1 - H318
Carcinogenicity 2 - H351
Hazardous to the aquatic environment Chronic 2 - H411

2.2 Label Elements

CLP

DANGER

Hazard statements • H318 • Causes serious eye damage
H351 • Suspected of causing cancer
H411 • Toxic to aquatic life with long lasting effects

Precautionary statements

Prevention • P273 • Avoid release to the environment.
P280 • Wear protective gloves and eye/face protection.
Response  *  P391 - Collect spillage
   P308+P313 - If exposed or concerned: Get medical advice/attention.

2.3 Other Hazards

CLP  *  According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

UN GHS
According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2.1 Classification of the substance or mixture

UN GHS  *  Acute Toxicity Oral 5
   Aspiration 2
   Serious Eye Damage 1

2.2 Label elements

UN GHS

DANGER

Hazard statements  *  May be harmful if swallowed
   May be harmful if swallowed and enters airways
   Causes serious eye damage

Precautionary statements

Prevention  *  Wear protective gloves and eye/face protection.

Response  *  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
   Immediately call a POISON CENTER or doctor/physician.
   IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
   Do NOT induce vomiting.
   Call a POISON CENTER or doctor/physician if you feel unwell.

2.3 Other hazards

UN GHS  *  According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous.

United States (US) and Canada
According to: OSHA 29 CFR 1910.1200 HCS and WHMIS 2015 GHS

2.1 Classification of the substance or mixture

   *  Serious Eye Damage 1

2.2 Label elements

DANGER

Hazard statements  *  Causes serious eye damage
Precautionary statements

Prevention * Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves and eye/face protection.

Response * IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

* Under 29 CFR 1910.1200 and WHMIS 2015, this product is considered hazardous.

Section 3 - Composition/Information on Ingredients

3.1 Substances
* Material does not meet the criteria of a substance

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Identifiers</th>
<th>%</th>
<th>LD50/LC50</th>
<th>Classifications According to Regulation/Directive</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol</td>
<td>CAS: 67-63-0 EC Number: 200-661-7 EU Index: 603-117-00-0</td>
<td>10% TO 20%</td>
<td>Inhalation-Rat LC50 • 16000 ppm 8 Hour(s) Skin-Rabbit LD50 • 12800 mg/kg Ingestion/Oral-Rat LD50 • 5000 mg/kg</td>
<td>UN GHS: Flam. Liq. 2; Acute Tox. 5 (orl); Skin Irrit. 3; Eye Irrit. 2; Muta. 2; Repr. 2; STOT SE 3: Narc.; STOT SE 3: Resp. Irrit.; Asp. Tox. 2; STOT RE 2 EU CLP: Annex VI, Table 3.1: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3: Narc., H336 OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2; Muta. 2; Repr. 2; STOT SE 3: Narc.; STOT SE 3: Resp. Irrit.; STOT RE 2</td>
<td>NDA</td>
</tr>
<tr>
<td>Gentian Violet</td>
<td>548-62-9</td>
<td>&lt; 6%</td>
<td>NDA</td>
<td>UN GHS: Eye Dam. 1; Acute Tox. 4 (orl); Skin Irrit. 3; Skin Sens. 1 EU CLP: Annex VI, Table 3.1: Carc. 2, H351; Acute Tox. 4 *, H302; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Eye Dam. 1; Acute Tox. 4 (orl); Skin Sens. 1</td>
<td>NDA</td>
</tr>
</tbody>
</table>

Relevant Phrases (code & full text)

H225 - Highly flammable liquid and vapor
H302 - Harmful if swallowed
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation * Move victim to fresh air. Get medical attention if symptoms occur.
Skin * First-aid is not expected to be necessary under normal conditions of use.
Eye * If contact with eyes directly, flush with gently flowing fresh water thoroughly. Get medical attention if symptoms occur.
Ingestion * Obtain medical attention immediately if ingested.
4.2 Most important symptoms and effects, both acute and delayed

* Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician * No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media * Water, Carbon Dioxide, or Dry Chemical.

Unsuitable Extinguishing Media * No data available.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards * None

Hazardous Combustion Products * No data available.

5.3 Advice for firefighters

* Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions * Use appropriate Personal Protective Equipment (PPE).

Emergency Procedures * No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

* Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures * Wipe or mop up.

6.4 Reference to other sections

* Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling * Good housekeeping and sanitary procedures. Do not get in eyes. Do not ingest. Wash thoroughly with soap and water after handling.

7.2 Conditions for safe storage, including any incompatibilities

Storage * Store in a cool, dry place.

7.3 Specific end use(s)

* Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

<table>
<thead>
<tr>
<th>Result</th>
<th>Exposure Limits/Guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl alcohol (67-63-0)</td>
<td>Result</td>
</tr>
<tr>
<td>STELs</td>
<td>400 ppm STEL</td>
</tr>
</tbody>
</table>
### 8.2 Exposure controls

**Engineering Measures/Controls**  
* No special engineering measures/controls expected to be necessary under normal conditions of use.

**Personal Protective Equipment**

**Respiratory**  
* None required under normal conditions of use.

**Eye/Face**  
* Wear appropriate eye protection.

**Skin/Body**  
* Wear appropriate gloves.

**Environmental Exposure Controls**  
* Follow best practice for site management and disposal of waste.

### Key to abbreviations

- **ACGIH** = American Conference of Governmental Industrial Hygiene
- **NIOSH** = National Institute of Occupational Safety and Health
- **OSHA** = Occupational Safety and Health Administration
- **STEL** = Short Term Exposure Limits are based on 15-minute exposures
- **TWA** = Time-Weighted Averages are based on 8h/day, 40h/week exposures

### Section 9 - Physical and Chemical Properties

#### 9.1 Information on Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical Form</strong></td>
<td></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td></td>
<td>Violet</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Appearance/Description</strong></td>
<td></td>
<td>Marker containing liquid ink.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td></td>
<td>Alcohol-like</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Decomposition Temperature</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Specific Gravity/Relative Density</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Explosive Properties</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Density</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Oxidizing Properties:</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td></td>
<td>129°C (264.2°F)</td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>LEL</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Autoignition</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Flammability</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Octanol/Water Partition coefficient</strong></td>
<td></td>
<td>No data available</td>
</tr>
</tbody>
</table>

#### 9.2 Other Information

* No additional physical and chemical parameters noted.

### Section 10: Stability and Reactivity

#### 10.1 Reactivity

* No dangerous reaction known under normal conditions of use.

#### 10.2 Chemical stability
* Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions
* Hazardous polymerization will not occur.

10.4 Conditions to avoid
* No data available

10.5 Incompatible materials
* No data available

10.6 Hazardous decomposition products
* No data available

### Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>GHS Properties</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: Acute Toxicity - Oral = 3875 mg/kg</td>
</tr>
<tr>
<td>Aspiration Hazard</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: Aspiration 2</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>EU/CLP: Carcinogenicity 2</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>Germ Cell Mutagenicity</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>Skin corrosion/Irritation</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>STOT-RE</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>STOT-SE</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>Toxicity for Reproduction</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>EU/CLP: No data available</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: No data available</td>
</tr>
<tr>
<td></td>
<td>UN GHS: No data available</td>
</tr>
<tr>
<td>Serious eye damage/Irritation</td>
<td>EU/CLP: Serious Eye Damage 1</td>
</tr>
<tr>
<td></td>
<td>OSHA HCS 2012: Serious Eye Damage 1</td>
</tr>
<tr>
<td></td>
<td>UN GHS: Serious Eye Damage 1</td>
</tr>
</tbody>
</table>

### Potential Health Effects

#### Inhalation

**Acute (Immediate)**
* Under normal conditions of use, no health effects are expected.

**Chronic (Delayed)**
* No data available
Skin

Acute (Immediate)  * Under normal conditions of use, no health effects are expected.
Chronic (Delayed)  * No data available.

Eye

Acute (Immediate)  * Causes serious eye damage.
Chronic (Delayed)  * No data available.

Ingestion

Acute (Immediate)  * May be harmful if swallowed. Material may be aspirated into lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.
Chronic (Delayed)  * No data available.

Carcinogenic Effects  * Repeated and prolonged exposure may cause cancer.

Section 12 - Ecological Information

12.1 Toxicity  * Toxic to aquatic life with long lasting effects.
12.2 Persistence and degradability  * No data available.
12.3 Bioaccumulative potential  * No data available.
12.4 Mobility in Soil  * No data available.
12.5 Results of PBT and vPvB assessment  * No PBT and vPvB assessment has been conducted.
12.6 Other adverse effects  * No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods
Product waste  * Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste  * Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

<table>
<thead>
<tr>
<th></th>
<th>14.1 UN number</th>
<th>14.2 UN proper shipping name</th>
<th>14.3 Transport hazard class(es)</th>
<th>14.4 Packing group</th>
<th>14.5 Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>TDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IMO/IMDG</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
<tr>
<td>IATA/ICAO</td>
<td>NDA</td>
<td>Not Regulated</td>
<td>NDA</td>
<td>NDA</td>
<td>NDA</td>
</tr>
</tbody>
</table>
14.6 Special precautions for user

• None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

• No data available

---

### Section 15 - Regulatory Information

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

**SARA Hazard Classifications**

- **Acute**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Canada DSL</th>
<th>Canada NDSL</th>
<th>EU EINECS</th>
<th>EU ELNICS</th>
<th>Korea KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gentian Violet</td>
<td>548-62-9</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Inventory (Cont.)**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gentian Violet</td>
<td>548-62-9</td>
<td>Yes</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Canada**

**Environment**

- Canada - CEPA - Priority Substances List
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

**Korea**

**Labor**

- Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

- Korea - ISHA - Harmful Substances Requiring Permission
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

- Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

**Environment**

- Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

**United States**

**Labor**

- U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

- U.S. - OSHA - Specifically Regulated Chemicals
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

**Environment**

- U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

- U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

- U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed

- U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs
  - Isopropyl alcohol | 67-63-0 | Not Listed
  - Gentian Violet | 548-62-9 | Not Listed
Skin Marker with Ink

Revision Date: 26/April/2019

No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Last Revision Date  |  26/April/2019
Preparation Date   |  06/July/2015

Disclaimer/Statement of Liability

The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

Key to abbreviations

NDA = No data available