

## 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.deroyal.com  
customerservice@deroyal.com

**Telephone** • 800-251-9864  
(General)

#### 1.4 Emergency telephone number

• 800-424-9300 - CHEMTREC

### Section 2: Hazards Identification

#### EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

#### 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)

According to: OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

OSHA HCS 2012 • Serious Eye Damage 1

### 2.2 Label elements

OSHA HCS 2012

**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

OSHA HCS 2012 • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

---

## Canada

According to: WHMIS

### 2.1 Classification of the substance or mixture

WHMIS • Other Toxic Effects - D2B

### 2.2 Label elements

WHMIS



• Other Toxic Effects - D2B

### 2.3 Other hazards

**WHMIS** • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

- Material does not meet the criteria of a substance

### 3.2 Mixtures

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

#### 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

Exposure Limits/Guidelines					
	Result	ACGIH	Korea	NIOSH	OSHA
Isopropyl alcohol (67-63-0)	STELs	400 ppm STEL	400 ppm STEL (Serial No. 471); 980 mg/m <sup>3</sup> STEL (Serial No. 471)	500 ppm STEL; 1225 mg/m <sup>3</sup> STEL	Not established

	TWAs	200 ppm TWA	200 ppm TWA (Serial No. 471); 480 mg/m <sup>3</sup> TWA (Serial No. 471)	400 ppm TWA; 980 mg/m <sup>3</sup> TWA	400 ppm TWA; 980 mg/m <sup>3</sup> TWA
--	------	-------------	--	--	--

## 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

STEL = Short Term Exposure Limits are based on 15-minute exposures

NIOSH = National Institute of Occupational Safety and Health

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

OSHA = Occupational Safety and Health Administration

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Marker containing liquid ink.
Color	Violet	Odor	Alcohol-like
Odor Threshold	No data available		
General Properties			
Boiling Point	No data available	Melting Point/Freezing Point	No data available
Decomposition Temperature	No data available	pH	No data available
Specific Gravity/Relative Density	No data available	Density	No data available
Water Solubility	No data available	Viscosity	No data available
Explosive Properties	No data available	Oxidizing Properties:	No data available
Volatility			
Vapor Pressure	No data available	Vapor Density	No data available
Evaporation Rate	No data available		
Flammability			
Flash Point	129°C (264.2°F)	UEL	No data available
LEL	No data available	Autoignition	No data available
Flammability (solid, gas)	No data available		
Environmental			
Octanol/Water Partition coefficient	No data available		

### 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

GHS Properties	Classification
Acute toxicity	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•Acute Toxicity - Oral 5 - ATEmix (oral) = 3875 mg/kg
Aspiration Hazard	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•Aspiration 2
Carcinogenicity	EU/CLP•Carcinogenicity 2 OSHA HCS 2012•No data available UN GHS•No data available
Germ Cell Mutagenicity	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Skin corrosion/Irritation	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
Skin sensitization	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
STOT-RE	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available
STOT-SE	EU/CLP•No data available OSHA HCS 2012•No data available UN GHS•No data available

Toxicity for Reproduction	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
Respiratory sensitization	<b>EU/CLP</b> •No data available <b>OSHA HCS 2012</b> •No data available <b>UN GHS</b> •No data available
Serious eye damage/Irritation	<b>EU/CLP</b> •Serious Eye Damage 1 <b>OSHA HCS 2012</b> •Serious Eye Damage 1 <b>UN GHS</b> •Serious Eye Damage 1

## 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.

#### Key to abbreviations

LC = Lethal Concentration

LD = Lethal Dose

TC = Toxic Concentration

TD = Toxic Dose

## 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

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

**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

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	Korea KECL
Proprietary	Proprietary	Yes	No	Yes	No	Yes
Isopropyl alcohol	67-63-0	Yes	No	Yes	No	Yes
Inventory (Con't.)						
Component	CAS	TSCA				
Proprietary	Proprietary	Yes				
Isopropyl alcohol	67-63-0	Yes				

### Canada

#### Labor

**Canada - WHMIS - Classifications of Substances**

•Isopropyl alcohol	67-63-0	B2, D2B (including 70%)
•Proprietary	Proprietary	D1B, D2B
<b>Canada - WHMIS - Ingredient Disclosure List</b>		
•Isopropyl alcohol	67-63-0	1 %
•Proprietary	Proprietary	0.1 %

**Environment****Canada - CEPA - Priority Substances List**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**Korea****Labor****Korea - ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**Korea - ISHA - Harmful Substances Requiring Permission**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**Korea - ISHA - Name, Toxicity and Protective Measures of New Chemical Substances**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**Environment****Korea - MOE - Toxic Chemicals Control Act (TCCA) - Observational Chemicals**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**U.S. - OSHA - Specifically Regulated Chemicals**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

•Isopropyl alcohol	67-63-0	Not Listed
•Proprietary	Proprietary	Not Listed

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

•Isopropyl alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong)
--------------------	---------	---

acid process, no supplier notification)

- *Proprietary*
- U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**
- Isopropyl alcohol
- *Proprietary*

*Proprietary* Not Listed

67-63-0 Not Listed

*Proprietary* Not Listed

## United States - California

### Environment

- U.S. - California - Proposition 65 - Carcinogens List**
- Isopropyl alcohol
- *Proprietary*
- U.S. - California - Proposition 65 - Developmental Toxicity**
- Isopropyl alcohol
- *Proprietary*
- U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)**
- Isopropyl alcohol
- *Proprietary*
- U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**
- Isopropyl alcohol
- *Proprietary*
- U.S. - California - Proposition 65 - Reproductive Toxicity - Female**
- Isopropyl alcohol
- *Proprietary*
- U.S. - California - Proposition 65 - Reproductive Toxicity - Male**
- Isopropyl alcohol
- *Proprietary*

67-63-0 Not Listed

*Proprietary* Not Listed

67-63-0 Not Listed

*Proprietary* Not Listed

67-63-0 Not Listed

*Proprietary* Not Listed

67-63-0 Not Listed

*Proprietary* Not Listed

67-63-0 Not Listed

*Proprietary* Not Listed

67-63-0 Not Listed

*Proprietary* Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

### Section 16 - Other Information

- Last Revision Date** • 06/July/2015
- 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