

# Material Safety Data Sheet

Material Name: Super Sharpie Permanent Marker

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

### Distributor Information

Uline  
2200 S. Lakeside Dr  
Waukegan, IL 60085

Phone: 847-473-3000  
Fax: 847-473-5157

## \*\*\* Section 2 - Hazards Identification \*\*\*

### Emergency Overview

This product is considered safe under normal use conditions.

### Potential Health Effects: Eyes

No anticipated health effects expected under normal use conditions.

### Potential Health Effects: Skin

No anticipated health effects expected under normal use conditions.

### Potential Health Effects: Ingestion

No anticipated health effects expected under normal use conditions.

### Potential Health Effects: Inhalation

No anticipated health effects expected under normal use conditions.

**HMIS Ratings: Health: 0 Fire: 0 HMIS Reactivity 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS #	Component
Not Available	Dyes
71-36-3	n-Butyl alcohol
71-23-8	n-Propyl alcohol
123-42-2	Diacetone alcohol

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

None required

### First Aid: Skin

None required

### First Aid: Ingestion

None required

### First Aid: Inhalation

None required

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

None

### Hazardous Combustion Products

Not Determined

### Extinguishing Media

As appropriate for surrounding area

### Fire Fighting Equipment/Instructions

None

**NFPA Ratings: Health: 0 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

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## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

None necessary.

### Clean-Up Procedures

Wipe up with absorbent material.

### Evacuation Procedures

None necessary.

### Special Procedures

None necessary.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Do not shake marker.

### Storage Procedures

Keep cap on marker when not in use.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### A: Component Exposure Limits

#### Diacetone alcohol (123-42-2)

ACGIH: 50 ppm TWA

OSHA: 50 ppm TWA; 240 mg/m<sup>3</sup> TWA

NIOSH: 50 ppm TWA; 240 mg/m<sup>3</sup> TWA

#### n-Propyl alcohol (71-23-8)

ACGIH: 100 ppm TWA

OSHA: 200 ppm TWA; 500 mg/m<sup>3</sup> TWA

250 ppm STEL; 625 mg/m<sup>3</sup> STEL

NIOSH: 200 ppm TWA; 500 mg/m<sup>3</sup> TWA

250 ppm STEL; 625 mg/m<sup>3</sup> STEL

Potential for dermal absorption

#### n-Butyl alcohol (71-36-3)

ACGIH: 20 ppm TWA

OSHA: 50 ppm Ceiling; 150 mg/m<sup>3</sup> Ceiling

Prevent or reduce skin absorption

NIOSH: 50 ppm Ceiling; 150 mg/m<sup>3</sup> Ceiling

Potential for dermal absorption

### Engineering Controls

None under normal use conditions.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

None under normal use conditions.

#### Personal Protective Equipment: Skin

None under normal use conditions.

#### Personal Protective Equipment: Respiratory

None under normal use conditions.

#### Personal Protective Equipment: General

None under normal use conditions.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

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<b>Appearance:</b>	Multi-colored	<b>Odor:</b>	Alcohol odor
<b>Physical State:</b>	Liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	13 mm Hg	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	207°F (n-propanol)	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Miscible	<b>Specific Gravity:</b>	0.8044
<b>Evaporation Rate:</b>	1.3	<b>VOC:</b>	ND
<b>Percent Volatile:</b>	ND	<b>Octanol/H2O Coeff.:</b>	ND
<b>Flash Point:</b>	84°F	<b>Flash Point Method:</b>	TOC
<b>Upper Flammability Limit (UFL):</b>	13.5	<b>Lower Flammability Limit (LFL):</b>	2.1
<b>Burning Rate:</b>	ND	<b>Auto Ignition:</b>	ND

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

None

### Incompatibility

ND

### Hazardous Decomposition

Not Determined

### Possibility of Hazardous Reactions

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Dose Effects

#### Component Analysis - LD50/LC50

##### Diacetone alcohol (123-42-2)

Oral LD50 Rat: 4 g/kg; Dermal LD50 Rabbit: 13500 mg/kg

##### n-Propyl alcohol (71-23-8)

Inhalation LC50 Rat: >13548 ppm/4H; Oral LD50 Rat: 1870 mg/kg

##### n-Butyl alcohol (71-36-3)

Inhalation LC50 Rat: >17.7 mg/L/4H; Inhalation LC50 Rat: 8000 ppm/4H; Oral LD50 Rat: 790 mg/kg; Dermal LD50 Rabbit: 3400 mg/kg

### Carcinogenicity

#### Component Carcinogenicity

##### n-Propyl alcohol (71-23-8)

ACGIH: A4- Not Classifiable as a Human Carcinogen

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Diacetone alcohol (123-42-2)

###### Test & Species

96 Hr LC50 Lepomis macrochirus	420 mg/L [static]	<b>Conditions</b>
48 Hr EC50 water flea	8750 mg/L	

##### n-Propyl alcohol (71-23-8)

###### Test & Species

**Conditions**

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96 Hr LC50 Pimephales promelas	4480 mg/L [flow-through]
5 min EC50 Photobacterium phosphoreum	17700 mg/L
15 min EC50 Photobacterium phosphoreum	8686 mg/L
12 Hr EC50 Nitrosomonas	980 mg/L
5 Hr EC50 Escherichia coli	45000 mg/L
48 Hr EC50 Daphnia magna	3642 mg/L

## **n-Butyl alcohol (71-36-3)**

### **Test & Species**

96 Hr LC50 Pimephales promelas	1510 mg/L [static]
96 Hr LC50 Pimephales promelas	1740 mg/L [flow-through]
96 Hr LC50 Leuciscus idus	1200 mg/L
96 Hr EC50 Scenedesmus subspicatus	>500 mg/L
72 Hr EC50 Scenedesmus subspicatus	>500 mg/L
5 min EC50 Photobacterium phosphoreum	2041.4 mg/L
30 min EC50 Photobacterium phosphoreum	2186 mg/L
17 Hr EC50 Pseudomonas putida	4400 mg/L
24 Hr EC50 Aerobic heterotroph	3980 mg/L
48 Hr EC50 Daphnia magna	1983 mg/L

### **Conditions**

33 days old

## **\*\*\* Section 13 - Disposal Considerations \*\*\***

### **US EPA Waste Number & Descriptions**

#### **A: General Product Information**

None

#### **B: Component Waste Numbers**

##### **n-Butyl alcohol (71-36-3)**

RCRA: waste number U031 (Ignitable waste)

### **Disposal Instructions**

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

## **\*\*\* Section 14 - Transportation Information \*\*\***

### **US DOT Information**

**Shipping Name:** Not Regulated

## **\*\*\* Section 15 - Regulatory Information \*\*\***

### **US Federal Regulations**

#### **Component Analysis**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

##### **n-Butyl alcohol (71-36-3)**

SARA 313: 1.0 % de minimis concentration  
CERCLA: 5000 lb final RQ; 2270 kg final RQ

### **State Regulations**

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## Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Diacetone alcohol	123-42-2	Yes	Yes	Yes	Yes	Yes	Yes
n-Propyl alcohol	71-23-8	Yes	Yes	Yes	Yes	Yes	Yes
n-Butyl alcohol	71-36-3	Yes	Yes	Yes	Yes	Yes	Yes

## Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Diacetone alcohol	123-42-2	1 %
n-Propyl alcohol	71-23-8	1 %
n-Butyl alcohol	71-36-3	1 %

## Additional Regulatory Information

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Diacetone alcohol	123-42-2	Yes	DSL	EINECS
n-Propyl alcohol	71-23-8	Yes	DSL	EINECS
n-Butyl alcohol	71-36-3	Yes	DSL	EINECS

## \* \* \* Section 16 - Other Information \* \* \*

### Other Information

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.

### Key/Legend

NA - Not Applicable  
ND - Not Determined  
ACGIH - American Conference of Governmental Industrial Hygienists  
OSHA - Occupational Safety and Health Administration  
TLV - Threshold Limit Value  
PEL - Permissible Exposure Limit  
TWA - Time Weighted Average  
STEL - Short Term Exposure Limit  
NTP - National Toxicology Program  
IARC - International Agency for Research on Cancer