

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME: #1150 Violet Ink  
 PRODUCT COLOR: Violet  
 RECOMMENDED USE: Coding and Marking

**Manufacturer/Supplier:**

Universal Stenciling & Marking Systems, Inc. 1-727-894-3027  
 205 15th Avenue S.E.  
 Saint Petersburg, FL 33701  
 USA

**Emergency Telephone Number:**

TRANSPORTATION: CHEMTREC : 1-800-424-9300 (North America)  
 1-703-527-3887 (International)

**2. HAZARDS IDENTIFICATION****Emergency Overview:****GHS Classification:**

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (repeated exposure, Kidney)	Category 2
Specific target organ toxicity (single exposure, Central nervous system, Kidney)	Category 1

**GHS label elements, including precautionary statements**

Pictogram

Signal Word **Danger****Hazard Statements**

H302	Harmful if swallowed
H319	Causes serious eye irritation
H370	Causes damage to organs (Central nervous system, Kidney)

H373

May cause damage to organs (Kidney) through prolonged or repeated exposure

**Precautionary Statements**

P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P314	Get medical advice/attention if you feel unwell
P337+P313	If eye irritation persists: Get medical advice/attention
P501	Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Diethylene Glycol	111-46-6	30-50
2-(2-Butoxyethoxy)ethanol	112-34-5	5-15

**4. FIRST AID MEASURES****First Aid Measures**

<b>Ingestion:</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Eyes:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin:</b>	Wash off with soap and plenty of water. Consult a physician.
<b>Inhalation:</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Most important symptoms and effects**

<b>Symptoms</b>	Nausea, headache, vomiting..
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically
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**5. FIREFIGHTING MEASURES****Suitable extinguishing media:**

Water fog, Multipurpose foam, Dry chemical, CO<sub>2</sub>

**Unsuitable extinguishing media:**

Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards in case of fire:**

Fight as volatile liquid fire  
Water spray may cause frothing

**Hazardous combustion products:**

Carbon oxides, nitrogen oxides, organic combustion products which may be toxic and/or irritating

**Protective equipment and precautions for fire fighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear chemical goggles, gloves, boots and protective clothing. Wear respirator if necessary. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition and heat.

**Environmental precaution:**

Prevent additional discharge of material. Prevent material from entering sewers or water courses.

**Methods and materials for containment and cleaning up:**

Absorb small spills with sand, filter-aid, vermiculite or other inert absorbent material, then place in a chemical waste container. For large spills, contain with sand or earth dikes. Dispose of waste in accordance with applicable government regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Avoid contact with eyes. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Unscrew all caps slowly. Do not unscrew entirely until all pressure has been completely released. Keep away from heat/sparks/open flames/hot surfaces. Emptied containers may retain residues. Precautions apply to emptied containers.

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

Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep storage temperature between 4-32 °C (40-90 °F). Incompatible with strong oxidizing agents, strong acids, strong bases, alkali metals and halogens.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Guidelines:**

# SAFETY DATA SHEET

SDS #1150 Violet Ink

Revision Date: 7/28/2015

Chemical Name and CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethylene Glycol 111-46-6	Not Established	Not Established	Not Established
2-(2-butoxyethoxy)ethanol 112-34-5	Not Established	Not Established	Not Established

### Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. Local exhaust and mechanical ventilations are recommended to be used as engineering controls.

### Individual protection measures, such as personal protective equipment:

- Eye/Face protection:** Safety glasses with side shields or chemical goggles must be worn.
- Skin/Body protection:** Wear protective gloves. Wear suitable protective clothing and footwear appropriate for the risk of exposure.
- Respiratory protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
- General hygiene:** Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<u>Property</u>	<u>Values</u>	<u>Remarks-Methods</u>
Physical state:	Liquid	
Odor:	Low	
Odor threshold:	Not determined	
pH:	Not determined	
Melting point/freezing point:	Not determined	
Boiling point/Boiling range:	Not determined	
Flash point:	>93.3 °C / >200 °F	Tag Closed Cup
Evaporation Rate:	<0.01	butyl acetate = 1
Flammability (solid, gas):	Not determined	
Upper/lower flammability limits:	Not determined	
Vapor pressure:	Not determined	
Vapor density:	>1	air = 1
Specific gravity:	1.19	water = 1
Water solubility:	Complete	
Solubility in other solvents:	Not determined	
Partition Coefficient:	Not determined	
Auto-ignition Temperature:	Not determined	
Decomposition temperature:	Not determined	
Viscosity:	Not determined	
VOC Content (%):	45%	
VOC Content:	4.5 lbs/gal	

## 10. STABILITY AND REACTIVITY

### Reactivity:

Not reactive under normal conditions.

### Chemical Stability:

Stable under recommended storage conditions.

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## Possibility of hazardous reactions:

None under normal processing.

## Conditions to avoid:

Keep out of reach of children. Keep away from heat, sparks and open flame. Keep away from contact with incompatible materials.

## Incompatible materials:

Strong oxidizing agents, strong acids, strong bases, alkali metals, halogens

## Hazardous decomposition products:

Carbon oxides, nitrogen oxides, thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye contact:</b>	Causes serious eye irritation
<b>Skin contact:</b>	May cause skin irritation
<b>Inhalation:</b>	May be harmful if inhaled. May cause respiratory irritation.
<b>Ingestion:</b>	Harmful if swallowed. May cause CNS effects, blood disturbances and damage to kidney and other organs

### Component Information:

Chemical Name and CAS#	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene Glycol 111-46-6	= 16,500 mg/kg ( Rat )	= 12,500 mg/kg ( Rat )	> 5.08 mg/L ( Rat ) 4h
2-(2-butoxyethoxy)ethanol 112-34-5	= 2,410 mg/kg ( Mouse )	=2764 mg/kg ( Rabbit )	> 2.1 mg/L ( Rat ) 4h

### Information on physical, chemical and toxicological effects:

**Symptoms** Please see section 4 of this SDS for symptoms

### Delayed and immediate effects as well as chronic effects from short and long-term exposure:

#### Carcinogenicity:

Chemical Name	ACGIH	IARC	NTP	OSHA
None				

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A1 – Confirmed human carcinogen

A2 – Suspected human carcinogen

A3 - Confirmed animal carcinogen with unknown relevance to humans

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

Group 2A – Probably Carcinogenic to Humans

Group 2B – Limited evidence of carcinogenicity

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

### Numerical measures of toxicity:

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:****Component Information**

Chemical Name and CAS#	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diethylene Glycol 111-46-6		LC50 - Pimephales promelas - 75,200 mg/L - 96h		EC50 - Daphnia magna - >10,000 mg/L - 24h
2-(2-butoxyethoxy)ethanol 112-34-5	LC50 - Desmodemus suspiciatus - >100 mg/l - 24hrs	LC50 - Lepomismacrochirus - 1300 mg/l - 96h	LC50 - Pseudomonas putida - 1170 mg/l - 16hr	EC50 - Daphnia magna - >100 mg/l - 48hr

**Persistence/Degradability:**

Not determined

**Bioaccumulation:**

Not determined

**Mobility:**

Not determined

**Other Adverse Effects:**

No data available

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:**

Dispose of as unused product in accordance with applicable regional, national and local laws and regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

**DOT**

<b>UN number</b>	None
<b>Proper shipping name</b>	Not Regulated
<b>Hazard class</b>	None
<b>Packing group</b>	None
<b>ERG#</b>	None

**IATA**

<b>UN number</b>	None
<b>Proper shipping name</b>	Not Regulated
<b>Hazard class</b>	None
<b>Packing group</b>	None

**IMDG**

<b>UN number</b>	None
<b>Proper shipping name</b>	Not Regulated
<b>Hazard class</b>	None
<b>Packing group</b>	None
<b>Marine pollutant</b>	No

## SECTION 15 – REGULATORY INFORMATION

TSCA STATUS: All Components listed

OTHER REGULATORY:

<u>Ingredient(s)</u>	<u>SARA 302</u>	<u>SARA 311/312</u>	<u>SARA 313</u>	<u>RECRA</u>	<u>CERCLA</u>
Diethylene Glycol	No	A, C	No	No	No
2-(2-butoxyethoxy)ethanol	No	A, C	Yes	No	No

SARA 311/312 Codes:

- R = Reactive Hazard
- P = Pressure Hazard
- F = Fire Hazard
- A = Immediate/Acute
- C = Delayed/Chronic

**California Prop. 65 Components:** Chemicals known to the state of California to cause birth defects or other reproductive harm:

This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

## SECTION 16 – OTHER INFORMATION

HMIS:

Health:	1
Chronic Health Hazard	*
Flammability:	1
Reactivity:	0

**Revision Date:** 28-Jul-2015

**Replaces:** 03-Feb-2015

**Revision Note:** Update to sections 2 and 11 with recent supplier information

**Prepared by:** Don Wright

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