

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME: #100 Solvent  
 PRODUCT COLOR: Clear  
 RECOMMENDED USE: Coding and Marking

Manufacturer/Supplier:  
 Universal Stenciling & Marking System, Inc. 1-727-894-3027  
 1-727-894-3027 205 15th Avenue S.E.  
 Saint Petersburg, FL 33701  
 USA

**Emergency Telephone Number: 1-800-535-5053 (North America)**

TRANSPORTATION: INFOTRAC:

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

Flammable liquids	Category 3
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3

**GHS label elements, including precautionary statements**

Pictogram

Signal Word **Warning**

**Hazard Statements**

H226	Flammable liquid and vapor
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

**Precautionary Statements**

P210	Keep away from heat/sparks/open flames/hot surfaces
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P337+P313	If eye irritation persists: Get medical advice/attention
P370+P378	In case of fire: Use Water spray, CO2, dry chemical, or alcohol resistant foam to extinguish
P403+233	Store in a well-ventilated place. Keep container tightly closed
P501	Dispose of contents/container to an approved waste disposal plant

<b>3. COMPOSITION AND INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS No	Weight-%
1-Methoxy-2-propanol	107-98-2	60-70
2-Propanol	67-63-0	30-40

<b>4. FIRST AID MEASURES</b>
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**First Aid Measures**

<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. 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**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**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  
Flashback fires may occur  
Vapors are dense and may travel to remote ignition source

**Hazardous combustion products:**

Carbon 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# 100 Solvent

Revision Date: 8/8/2018

Chemical Name and CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH
1-Methoxy-2-propanol 107-98-2	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 150 ppm STEL: 540 mg/m <sup>3</sup>	TWA: 100 ppm TWA: 360 mg/m <sup>3</sup> STEL: 150 ppm STEL: 540 mg/m <sup>3</sup>
2-Propanol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m <sup>3</sup> STEL: 500 ppm STEL: 1225 mg/m <sup>3</sup>

## 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>
<b>Physical state:</b>	Liquid	
<b>Color:</b>	Colorless	
<b>Odor:</b>	Moderate	
<b>Odor threshold:</b>	Not determined	
<b>pH:</b>	Not determined	
<b>Melting point/freezing point:</b>	Not determined	
<b>Boiling point/Boiling range:</b>	Not determined	
<b>Flash point:</b>	27.8 °C / 82 °F	Tag Closed Cup
<b>Evaporation Rate:</b>	<1	butyl acetate = 1
<b>Flammability (solid, gas):</b>	Not determined	
<b>Upper/lower flammability limits:</b>	Not determined	
<b>Vapor pressure:</b>	Not determined	
<b>Vapor density:</b>	>1	air = 1
<b>Specific gravity:</b>	0.9	water = 1
<b>Water solubility:</b>	Complete	
<b>Solubility in other solvents:</b>	Not determined	
<b>Partition Coefficient:</b>	Not determined	
<b>Auto-ignition Temperature:</b>	Not determined	
<b>Decomposition temperature:</b>	Not determined	
<b>Viscosity:</b>	Not determined	
<b>VOC Content (%):</b>	100%	
<b>VOC Content:</b>	7.5 lbs/gal	

## 10. STABILITY AND REACTIVITY

# SAFETY DATA SHEET

Revision Date: 8/8/2018

SDS# 100 Solvent

**Reactivity:**

Not reactive under normal conditions.

**Chemical Stability:**

Stable under recommended storage conditions.

**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

**Hazardous decomposition products:**

Carbon 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 eye irritation
<b>Skin contact:</b>	May cause skin irritation
<b>Inhalation:</b>	May cause drowsiness or dizziness.
<b>Ingestion:</b>	May be harmful if swallowed

**Component Information:**

Chemical Name and CAS#	Oral LD50	Dermal LD50	Inhalation LC50
1-Methoxy-2-propanol 107-98-2	= 4,016 mg/kg ( Rat )	> 2,000 mg/kg ( Rabbit )	> 25.8 mg/ ( Rat ) 5h
2-Propanol 67-63-0	= 5,840 mg/kg ( Rat )	> 12,800 mg/kg ( Rabbit )	> 10,000 mg/m <sup>3</sup> ( Rat ) 6 h

**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
1-Methoxy-2-propanol 107-98-2	ErC50 – Pseudokirchneriella subcapitata - >1000 mg/L – 72d	LC50 - Pimephales promelas – 20,800 mg/L – 96h	No data	EC50 - Daphnia magna – 21,100-25,900 mg/L – 48h
2-Propanol 67-63-0	EC50 - Desmodesmus subspicatus - 2000 mg/L – 72h	LC50 - Pimephales promelas – 9,640 mg/L – 96h	No data	EC50 - Daphnia magna – 5,102 mg/L – 96h

**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**

UN number 1210  
 Proper shipping name PRINTING INK RELATED MATERIAL  
 Hazard class 3  
 Packing group III  
 ERG# 129

**IATA**

UN number 1210  
 Proper shipping name PRINTING INK RELATED MATERIAL  
 Hazard class 3  
 Packing group III

**IMDG**

**UN number** 1210  
**Proper shipping name** PRINTING INK RELATED MATERIAL  
**Hazard class** 3  
**Packing group** III  
**Marine pollutant** 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>
1-Methoxy-2-propanol	No	F, A	No	No	No
2-Propanol	No	F, 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: 2  
Chronic Health Hazard \*

Flammability: 3  
Reactivity: 0

**Revision Date** 08-Aug-2018  
**Replaces:** 15-Jun-2015  
**Revision Note:** Review and update. Changes to Sections 4, 11, 12, 15

**Prepared by:** Don Wright

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