

# MATERIAL SAFETY DATA SHEET

ADVANCED INK  
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**EMERGENCY TELEPHONE NUMBER 215/639-8580**

## Section I – CHEMICAL PRODUCT IDENTIFICATION

Product Name: **Ink Sol WB-1000**

Product Description: Waterbased cleaner for printing inks

HMIS Ratings: 0 1 0

## Section II - COMPOSITION/INFORMATION ON INGREDIENTS

### HAZARDOUS COMPONENTS –

<b>Ingredient(s)</b>	<b>CAS #</b>	<b>Weight%</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Isopropyl alcohol	67-63-0	1-3%	5000 mg/kg (rat)	12800 mg/kg (rabbit)	16000 ppm/8H (rat)
1-methoxy-2-propanol	107-98-2	1-3%	7200 mg/kg (rat)	13000 mg/kg (rabbit)	

## Section III – HAZARDOUS IDENTIFICATION

### EMERGENCY OVERVIEW:

The product contains no substances which at their given concentration are considered to be hazardous to health.

**Principal routes of exposure:** eyes, skin, inhalation, ingestion

### POTENTIAL HEALTH EFFECTS

This product is not expected to pose a significant health hazard when normal industrial hygiene practices are followed.

## **Section IV – FIRST AID MEASURES**

### EYE CONTACT

Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention.

### SKIN CONTACT

Wash skin with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.

### INHALATION

No specific first aid measures are required

### INGESTION

No specific first aid measures are required

## **Section V – FIRE FIGHTING MEASURES**

### Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to keep exposed containers cool.

### Special Fire-Fighting Procedures

Self-contained breathing apparatus (SCBA) and full protective equipment recommended.

### Unusual Fire and Explosion Hazards

None known

### FLAMMABILITY DATA

Flash Point: non-flammable material  
Flammability Limits: Not applicable  
Auto ignition Temperature: Not applicable

### NFPA RATINGS

### HMIS RATINGS

Health: 0	Health: 0
Flammability: 1	Flammability: 1
Reactivity: 0	Reactivity: 0

## **Section VI – ACCIDENTAL RELEASE MEASURES**

### Small Spill

Contain spill immediately. Inert materials such as dry sand or sawdust may be used to help absorb any spilled material. Scoop or shovel into appropriate waste containers for disposal purposes. Soap and water may be used as necessary.

### Large Spill

Contain spilled material immediately. Use an inert material such as dry sand, sawdust, or earth to help absorb large spills. Scoop or shovel waste material into drums. Prevent runoff from entering into storm sewers and ditches, which lead to natural waterways. Wear protective clothing to prevent exposure.

## **Section VII – HANDLING AND STORAGE**

### Handling

Avoid employee exposure through the use of appropriate engineering controls, adequate personal protective equipment, and good industrial hygiene practices. Wash thoroughly after handling. Handle in well-ventilated workspace. Keep away from open flames, hot surfaces, and sources of ignition.

### Storage

Store in a moderately cool, dry, well-ventilated area away from direct sources of heat. Avoid freezing (32 F). Empty containers may contain product residues and should be handled accordingly. Position containers so that any labeling information is visible. Keep containers closed.

## **Section VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Engineering Controls

The use of local exhaust ventilation is recommended to control emissions near the source. Additional engineering controls should be used as necessary.

### Personal Protection

Safety glasses with side shields, or goggles, are recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up large spills. Respiratory protection is generally not required. Wash at the end of each work shift. Any contaminated clothing should be removed and laundered.

### Exposure Limits

There are no ACGIH TLVs or OSHA PELs established for this product itself, but for the following components of this product, the exposure limits are:

<b>Ingredient(s)</b>	<b>CAS#</b>	<b>ACGIH</b>	<b>OSHA</b>	<b>Mexico</b>
Isopropyl alcohol	67-63-0	400 ppm (STEL) 200 ppm (TWA)	980 mg/m <sup>3</sup> , 400 ppm	1225 mg/m <sup>3</sup> (STEL) 980 mg/m <sup>3</sup> (TWA)
1-methoxy-2-propanol	107-98-2	150 ppm (STEL) 100 ppm (TWA)		

## **Section IX – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: clear liquid

Specific Gravity: 1.0 – 1.1

Solubility in water: Soluble

Boiling Point: ~100 C

Volatile Organic Compounds: (VOCs) approx. 6%

pH Information: 9.0 – 10.5

Odor: Slight ammoniacal and alcoholic odor

## **Section X – STABILITY AND REACTIVITY**

### General:

This product is a stable compound and hazardous polymerization will not occur. Do not freeze.

### Incompatibility:

Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, and permanganates. Oxidizing materials may vigorously evolve oxygen in large amounts.

### Hazardous Decomposition Products:

When involved in a fire, may produce aldehydes, ketones, or organic acids.

## **Section XI – TOXICOLOGICAL INFORMATION**

### Acute (Short –Term) Toxicity:

No known published data is available for this product. Oral LD50 is estimated to be greater than 5000 mg/kg. Dermal LD50 estimated to be greater than 2000 mg/kg.

### Chronic (long-term) Toxicity:

No known published data is available for this product.

### Mutagenicity:

No known published data is available for this product.

### Routes of Potential Exposure:

Ingestion

Inhalation

Skin/Eye Contact

## **Section XII – ECOLOGICAL INFORMATION**

This product has not been evaluated for its ecotoxicity. When used for its intended purpose, this product should not cause adverse effects in the environment.

## **Section XIII – DISPOSAL CONSIDERATIONS**

### General:

This product must be disposed of in accordance with all applicable federal, state and local regulations.

### Waste Management:

Incineration or landfilling are recommended disposal techniques. Contact your state or local environmental agency for specific rules.

## Section XIV – TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

## Section XV – REGULATORY INFORMATION

### OSHA Hazard Communication Standard Status

This product contains the following hazardous substances listed under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200:

1-methoxy-2-propanol      107-98-2

### Toxic Substances Control Act (TSCA) Status

All of the ingredients of this product have been reported to the U.S. EPA and are included in the TSCA chemical inventory.

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

### State Right to Know

Ingredient(s)	CAS #	MARTK	NJRTK	PARTK	RIRTK	ILRTK	CTRTK
1-methoxy-2-propanol	107-98-2		Listed	Listed			
Ammonium hydroxide	1336-21-6	Listed	Listed	Listed		Listed	Listed
Isopropyl alcohol	67-63-0	Listed	Listed	Listed	Listed	Listed	Listed

### CERCLA/SARA

Ingredient(s)	CAS#	Weight%	CERCLA/SARA RQ (lbs)	Section 313
Ammonium hydroxide	1336-21-6	0.1-2%	1000	Listed
Isopropyl alcohol	67-63-0	1-3%	10,000	Listed
1-methoxy-2-propanol	107-98-2	1-3%		

SARA 311/312 Hazard Categories:

Immediate	N
Delayed	N
Fire	Y
Reactivity	N
Sudden Release of Pressure	N

## Section XVI – OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Advanced Ink assumes no responsibility for the personal injury or property damage caused by the material. Users assume all risks associated with the use of material.