

<b>Material Safety Data Sheet</b> May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200 Standard must be consulted for specific requirements.	<b>U.S. Department of Labor</b> Occupational Safety and Health Administration (Non-Mandatory Form) Form Approved ONB No. 1218-0072
<b>Identity: 18696 INK GRADE [ALL COLORS]</b>	<b>Chemical Family: Printing Ink</b>
<b>Hazardous Material: Ink (UN-1210)</b>	<b>Flammable Liquid: 49 CFR 172.101</b>

**SECTION I - MANUFACTURER'S INFORMATION**

SPRINTER MARKING, INC. 1805 Chandlersville Road Zanesville, Ohio 43701 USA	Telephone Numbers: <b>EMERGENCY: 740.453.1000</b> <b>INFORMATION: 740.453.1000</b>
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**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components (Specific Chemical Identity; Common Name(s))	ACGIH (TLV)		OSHA (PEL)	
	TLV-TWA	TLV-STEL	PEL/TWA	PEL/CEIL
Ethyl Acetate, CAS #141-78-6, 5 - 10 %	400ppm	-----	400ppm	-----
2 - Propanol (iso-Propanol), CAS #67-63-0, 20 - 30 %	400ppm	500ppm	400ppm	-----
1 - Methoxy Propanol - 2, CAS #107-98-2, 25 - 35 % (Propylene Glycol Methyl Ether)	100ppm	150ppm	-----	-----
iso-Propyl Acetate, CAS #108-21-4, 0 - 6 %*	250ppm	310ppm	-----	-----
n-Butyl Acetate, CAS #123-86-4, 0 - 6 %*	150ppm	200ppm	-----	-----
* Some colors contain 0%				

NOTE: 18696 INKS ARE LEAD-FREE, CHROME-FREE (INCLUDING HEXAVALENT CHROME), CADMIUM-FREE, AND MERCURY-FREE

No carcinogenic ingredients per 29CFR1910.1200 (IARC, NTP or OSHA)

All ingredients listed on the EPA-TSCA inventory

This product meets the requirements of the current years WSS-M99P9999-A1

**SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS**

<b>Boiling Point (Init °F):</b>	160° F
<b>Vapor Pressure (mm Hg):</b>	< 40
<b>Vapor Density (AIR = 1):</b>	> 2
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.9 - 1.1
<b>Melting Point:</b>	N/A
<b>Evaporation Rate (Butyl Acetate = 1):</b>	1.0
<b>Solubility in Water:</b>	65 - 75 %
<b>Appearance and Odor:</b>	Colored liquid; Sweet, alcohol odor
<b>V.O.C. (Volatile Organic Compound)</b>	= 70 WT - %; Approx. 6.0 lbs/GAL.
<b>Percent Volatile (%)</b>	80 - 90 %
<b>Material is liquid</b>	

**SECTION IV - PRECAUTIONS FOR SAFE HANDLING AND USE**

<b>Steps to be Taken in Case Material is Released or Spilled</b>
Remove ignition sources; Add absorbent; Remove with rubber shovel
<b>Waste Disposal Method</b>
Incineration or landfill in accordance with Federal, State, and Local regulations. Do not discharge into waterways or sewer systems.
<b>Volatile Organic Compound (VOC)</b>
70 wt %; Approx. 6.0 lbs/GAL
<b>Precautions to be Taken in Handling or Storing</b>
Avoid prolonged or repeated inhalation of vapors. Avoid Prolong or repeated skin contact. Store away from heat, sparks, and open flames.

**SECTION V - CONTROL MEASURES**

<b>Respiratory Protection (Specify Type)</b>	
None normally required	
<b>Ventilation</b>	
<b>Local Exhaust:</b>	Maintain LTV
<b>Other Protective Clothing or Equipment</b>	
<b>Protective Gloves:</b>	None normally required
<b>Eye Protection:</b>	Eye splash protection recommended
<b>Other Protective Equipment:</b>	None normally required
<b>Work/Hygienic Practices</b>	
Standard good hygiene should always be practiced	

**SECTION VI - HEALTH HAZARD DATA**

<b>H.M.I.S.</b>	
<b>Health H:</b>	2 Moderate
<b>Flamm. F:</b>	3 Serious
<b>React. R:</b>	1 Slight
<b>Route(s) of Entry:</b>	
<b>Inhalation?</b>	X [Primary]
<b>Skin?</b>	X
<b>Eye?</b>	X
<b>Ingestion?</b>	X
<b>Health Hazards</b>	
<b>EYE:</b>	May cause moderate eye irritation. May cause transient eye irritation. Corneal injury is unlikely
<b>SKIN CONTACT:</b>	Mildly irritation to the skin. Prolonged skin contact with very large amounts may cause drowsiness.
<b>SKIN ABSORPTION:</b>	Prolonged skin contact may be harmful.
<b>INHALATION:</b>	May cause mild irritation to the nose, throat and respiratory tract; May result in CNS depression.
<b>INGESTION:</b>	Generally considered to have a low order of acute oral toxicity.
<b>Signs and Symptoms of OVEREXPOSURE</b>	
Irritation as noted above; CNS depression may be evidenced by dizziness, headache and nausea. Excessive exposure may cause anesthetic or narcotic effects. Disorders may be aggravated by exposure.	
<b>Medical Conditions Generally Activated by Exposure</b>	
Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure.	
<b>Emergency and First Aid Procedures</b>	
<b>EYES:</b>	Flush eyes with plenty of water.
<b>SKIN:</b>	Wash off in flowing water or shower.
<b>INGESTION:</b>	If conscious - induce vomiting
<b>INHALATION:</b>	Remove to fresh air. Treat symptomatically.
<b>NOTE TO PHYSICIAN:</b>	Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.
THE INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE MAY RESULT IN DIFFICULT BREATHING, NAUSEA, VOMITING, AND HEADACHE ACCOMPANIED BY VARIOUS DEGREES OF CNS DEPRESSION (COMA AND/OR DEATH ARE EVEN POSSIBLE).	

**SECTION VII - FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (Method Used)</b>	50 - 60° F (SETAFLASH)
<b>Flammable Limits (% IN AIR)</b>	<b>LEL:</b> 3.0% <b>UEL:</b> 19%
<b>Extinguishing Media</b>	Alcohol Foam; CO <sub>2</sub> ; dry chemical
<b>Special Fire Fighting Procedures</b>	None
<b>Unusual Fire and Explosion Hazards</b>	None

**SECTION VIII - REACTIVITY DATA**

<b>Stability:</b>	<b>Stable X</b>
<b>Incompatibility (Materials to avoid):</b>	Strong Oxidizers
<b>Hazardous Decomposition or By-products:</b>	None
<b>Hazardous Polymerization:</b>	<b>Will Not Occur X</b>

SPECIAL MESSAGE SECTION: The hazards listed on this MSDS are taken from the MSDS for each of the ingredients in this mixture. In most cases, the maximum form of hazard is represented here. The TLV's represent the conditions under which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect. It must be remembered that each individual reacts differently and some may experience discomfort while others do not. This MSDS is presented so that each individual will have the information to deal safely with the use of this product. All materials TSCA listed.

NOTE: The opinions expressed are those of qualified experts within Sprinter Marking. We believe that the information contained is current as of the date of the Material Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Sprinter Marking, it is the user's obligation to determine the conditions of safe use of the product. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim all liability for any use of this material. Information contained herein is given in good faith and believed to be true and accurate. But all statements or suggestions are made without any warranty, expressed or implied. Information on MSDS supplied by Sprinter Marking.