
MATERIAL SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

• **PRODUCT NAME**

ARTLINE® 520 Ink (Red, Black, Blue, Green, Orange, White & Yellow)

• **NAME OF SUPPLIER:** Shachihata Inc.

• **NAME OF DEPARTMENT:** Product Development Department

• **ADDRESS:** 1661 W. 240th Street, Harbor City, CA 90710 USA

• **TELEPHONE NUMBER:** (800) 424-9300 - 24 hour emergency contact
(310) 530-4445 - During business hours

• **FAX NUMBER:** (310) 530-2892

HEALTH:	1	CODE:	0=MINIMAL
FLAMMABILITY:	3		1=SLIGHT
REACTIVITY:	0		2=MODERATE
PERSONAL PROTECTION:	B		3=SERIOUS
			4=SEVERE

SECTION 2: HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	ACGIH-TLV	OSHA-PEL	CAS NO
PM Solvent	66.00	100 PPM	100 PPM	107-98-2
Diacetone Alcohol	12.50	50 PPM	50 PPM	123-42-2
Ethyl Alcohol	12.50	1000 PPM	1000 PPM	64-17-5

SECTION 3: PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 244F

Melting Point: -26 F

Vapor Density: 4.0

Specific Gravity: 0.810

Reactivity in Water: None

Solubility in Water: Negligible

Auto Ignition: 614 F

Vapor Pressure: 19 mm hg

Appearance & Odor: Mobile Liquid, Mild Odor

Appearance & Odor: VOC: 35.84 GMS/Liter

LEL/UEL %: 1.5 11.1

Flash Point: 88 F

Method: Closed Cup

SECTION 4: FIRE & EXPLOSION DATA

Extinguishing Media: Carbon Dioxide

Extinguishing Media: Dry Chemical

Extinguishing Media: Alcohol – Type Foam

Extinguishing Media: Universal – Type Foam

Extinguishing Media: Waterspray

Special Fire Procedures: Wear self-contained breathing apparatus

Special Fire Procedures: Wear protective clothing and equipment

Special Fire Procedures: Use waterspray to cool exposed equipment

Special Fire Procedures: Use waterspray to protect personnel

SECTION 4: FIRE & EXPLOSION DATA (Continued)

Unusual Hazards: Wear suitable eye protection to prevent eye contact.

Unusual Hazards: Fire may emit toxic fumes

SECTION 5: REACTIVITY DATA

Stable, Y=Yes, N=No: Y

Conditions to Avoid: Heat, sparks and open flame

Incompatibility: Strong oxidizing agents

Hazardous Decomposition: Burning will produce CO₂ and/or CO

Hazardous Polymerization: Will not occur

Conditions to Avoid: None

SECTION 6: Health Hazards

Acute: Irritation to eyes from contact

Chronic: Contact Dermatitis of fingers and hands

Chronic: Inflammation of the cornea

Signs & Symptoms of Exposure: Nausea, vomiting, diarrhea by ingestion

Signs & Symptoms of Exposure: Dizziness, headache, nausea from vapors

Signs & Symptoms of Exposure: Dermatitis due to defatting action

Signs & Symptoms of Exposure: Eye inflammation; nose & throat irritation

Medical Conditions aggravated: Pre-existing skin condition

Medical Conditions aggravated: Pre-existing respiratory disorder

Medical Conditions aggravated: Breathing vapors may make headache worse

Medical Conditions aggravated: Pre-existing eye disorder

Is chemical listed as carcinogen or potential carcinogen:

National Toxicology Program, Y=Yes, N=No: N

IARC Monographs, Y=Yes, N=No: N

OSHA, Y=Yes, N=No: N

First Aid for Inhalation: Remove to fresh air if overcome by vapor

First Aid for Eyes: Flush with clean water for 15 minutes

First Aid for Skin: Flush contact with water; change clothing

First Aid for Ingestion: Do not induce vomiting

First Aid for Ingestion: Keep at rest; get medical attention

Routes of entry for inhalation: Avoid prolonged breathing of vapors

Routes of entry for eyes: Avoid all contact with the eyes

Routes of entry for skin: Avoid repeated or prolonged skin contact

Routes of entry for ingestion: Do not take internally

SECTION 7: SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

Handling & Storage: Keep container closed when not in use

Handling & Storage: Avoid all contact with the eyes

Handling & Storage: Use only with adequate ventilation

Handling & Storage: Keep away from heat and flame

Steps If Spilled: Remove sources of ignition; ventilate

Steps if spilled: Contain & cover spill with an absorbent

Steps if spilled: Collect & dispose in chemical waste drum

Steps if spilled: Do not allow spill to enter waterways

Waste Disposal: Incinerate in chemical furnace

Waste Disposal: Must conform to local, state & federal regulations

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use only with adequate ventilation

SECTION 8: SPECIAL PROTECTION INFORMATION (Continued)

Ventilation: General room ventilation is satisfactory

Local Exhaust: Preferable

Mechanical: Acceptance

Special: NIOSH Approved respirator for high vapor

Protective Gloves: Butyl Rubber

Eye Protection: Splash glasses

Other Protection: Eyewash station

Work/Hygienic Practices: Practice reasonable care & caution when using ink.

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.

DISCLAIMER SECTION:

Disclaimer of Liability:

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, regarding the accuracy of the information, the hazards connected with the use of the material or results to be obtained from the use thereof.

Information on MSDS supplied by ink mfg.
