

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**Product Identifiers:**

Product Name:

Deep Emerald WI-DEEM-05OZ
 Sea Glass WI-SEGL-05OZ
 Orange Crush WI-ORCR-05OZ
 Gadsden Yellow WI-GAYE-05OZ
 Dress Blue WI-DRBL-05OZ
 Kelly Green WI-KEGR-05OZ
 Vigilant Blue WI-VIBL-05OZ
 Blue Seas WI-BLSE-05OZ
 Valour Red WI-VARE-05OZ

Alcohol Inks and Blending Solution

(Colors: BI-7498 – Mushroom, BI-7499 – Latte, BI-7500 – Slate, BI-7501 – Stonewashed, BI-7502 – Meadow BI-7503 - Red Pepper, BI-7492 – Rust, BI-7494 – Oregano, BI-7495 – Caramel, BI-7496 – Currant, BI-7497 – Ginger, BI-7493 - Pitch Black, BI-7360 – Raisin, BI-7362 – Pesto, BI-7363 – Bottle, BI-7364 – Espresso, BI-7856 – Aqua, BI-7870 – Citrus, BI-7855 - Cloudy Blue, BI-7869 – Clover, B-7854 - Cool Peri, BI-7865 – Hazelnut, BI-7857 – Juniper, BI-7852 - Lake Mist, BI-7861 – Lemonade, BI-7872 - Mountain Rose, BI-7862 - Peach Bellini, BI-7864 – Pebble, BI-7863 - Pink Sherbet, BI-7868 – Pool, BI-7866 - Purple Twilight, BI-7875 – Raspberry, BI-7867 - Sailboat Blue, BI-7860 – Salmon, BI-7853 – Sandal, BI-7859 - Shell Pink, BI-7874 - Sunset Orange, BI-7873 - Sunshine Yellow, BI-7871 – Watermelon, BI-7858 – Willow, SI-3236 - Wild Plum, BI-7353 – Stream, BI-7354 – Cranberry, BI-7355 – Eggplant, BI-7356 – Denim, BI-7357 - Terra Cotta, BI-7358 – Butterscotch, BI-7359 – Lettuce, BI-8370 – Mermaid, BI-8371 – Teakwood, BI-8372 – Poppyfield, BI-8373 – Botanical, BI-8374 – Honeycomb, BI-8375 – Indigo, SI-3185 - Blending Solution, BI-8611 – Flamingo, BI-8612 – Valencia, BI-8613 – Limeade, BI-8614 – Patina, BI-8615 – Turquoise, BI-8616 – Amethyst, BI-8810 – Dandelion, BI-8811 – Coral, BI-8812 – Pistachio, BI-8813 – Crimson, BI-8814 – Aquamarine, BI-8815 – Sepia, BI-7557 – Copper, BI-7558 – Gold, BI-7559 – Silver, BI-7520 – Pearl, BI-7202 - Snow Cap, BI-8816 – Gunmetal, BI-8817 - Rose Gold)

Relevant identified uses of the substance or mixture and uses advised against

Identified Uses: Solvent Based Ink for Colorizing Non-Porous Surfaces

Details of the supplier of the safety data sheet

Company: Modern Testing Services, LLC
 349 Lenox Street
 Norwood, MA 02062, USA

Telephone: 1-508-638-1793

Fax: 1-508-638-1759

Details of the applicant of the safety data sheet

Company: WiseBond, a division of DeckWise, The Ipe Clip Fastener Company, LLC
 2111 58th Ave. East
 Bradenton, FL 34203
 Telephone: (941) 896-9851

Emergency Phone #: Emergency Contact: CHEMTEL
 CHEMTEL: 800-255-3924
 Emergency Phone: 813-248-0573

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRES. VAPOR HARMFUL. HARMFUL IF SWALLOWED. IRRITANT.

Classification of the Product Hazardous

Label elements

Pictogram:



Signal Word:

DANGER

Hazard Statement(s):

Flammable liquid and vapor. Vapor may cause flash fires. Harmful if swallowed. Eye irritant. Skin irritant. Respiratory tract irritant.

Precautionary Statement(s):

Keep away from heat, sparks and flame. Use adequate ventilation. Do not breathe. Do not smoke. Extinguish all flames and pilot light, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Hazards not otherwise classified (HNOC) or not covered by GHS

Children's Statement

Keep out of the reach of children.

Classification of the Product:

NFPA (scale 0-4)

Health: 2
Fire: 3
Reactivity: 0

HMIS (scale 0-4)

Health: 1
Fire: 3
Reactivity: 0

Regulation (EC) No. 1272/2008

Flammable liquid 3 (H226); Flammable liquid 2 (H225); Eye Irritant 2 (H319); Eye damage 1 (H318); Acute Toxic 4 (H312)

Directive 67/548/EEC & Directive 1999/45/EC

[Ethanol: F:R11]; [Propylene Glycol Monomethyl Ether : R10, R67]; [Isopropyl Alcohol: F: R11; Xi: R36, R67]; [Glycol Ether: Xn: R21, Xi: R36]

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Mixture of the following chemicals:

Ethanol (CAS No. 64-17-5) 47 - 65%

Propylene Glycol Monomethyl Ether (CAS No. 107-98-2)
19 – 25%

Isopropyl Alcohol (CAS No. 67-63-0) 4 - 6%

Glycol Ether (CAS No. 2807-30-9) 0 - 25%

N-Propanol (CAS No. 71-23-8) 0.76-69.50% (only
applies to four mixtures)

Modified Rosin (Cas no. 68333-69-7) <9%

Pigments (Proprietary Ingredients) 0.02-18%

Risk and Safety Phrases:

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and according to DSD (Dangerous Substances Directive (67/548/EEC)) and DPD (Dangerous Preparations Directive (1999/45/EC)) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.

SECTION 4 – FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash with water and soap and rinse thoroughly after use. Obtain medical attention if irritation occurs, develops or persists.

In case of eye contact

Rinse immediately with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Do not rub eyes and seek medical advice if irritation develops or persists.

If swallowed

Drink water or milk to dilute. Do not induce vomiting. Consult a physician.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Water, foam, carbon dioxide or dry chemical equipment.

Fire/Explosion Hazards

Container explosion may occur under fire conditions. Vapors may form explosive mixture with air. Vapors may cause a flash fire or ignite explosively.

Flashpoint/Flammability

68°F (20°C) (Tag closed up)/ Flammable (Mixture)

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Environmental precautions**

Avoid discharge to drains, sewers, and other water systems.

Methods and materials for containment and cleaning up

Contain spill. Recover as much as possible. Absorb remainder with an inert material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water.

SECTION 7 – HANDLING AND STORAGE**Precautions for safe handling**

Use under ventilated conditions. Avoid eye and skin contact. For personal protection, we recommend that employees wash thoroughly after handling product. Always wash before eating, smoking or using toilet facilities. Keep container tightly closed when not in use. Keep container upright to prevent leakage.

Conditions for safe storage

Flammable liquid. Store between 50-100°F., ideally 70°F. (10-37.7°C., ideally 21.1°C)

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**Personal Protective Equipment**

Wear goggles where spills or splashing may occur. Wear water resistant impervious gloves if handling bulk amounts.

Exposure Limits

<i>Component</i>	<i>Source</i>	<i>Type</i>	<i>ppm</i>	<i>mg/m3</i>	<i>Note</i>
<i>Ethyl Alcohol</i>	US (ACGIH)	STEL	1000 ppm		Upper respiratory tract irritation confirmed animal carcinogen with unknown relevance to humans.
	US (●SHA)	TWA	1000 ppm	1,900mg/m ³	29 CFR 1910.1000 Table Z-1 limits for air contaminants.
<i>Propylene Glycol</i>	ACGIH	TWA	100ppm		
<i>Monomethyl Ether</i>	ACGIH	STEL	150ppm		
	OSHA Z1A	TWA	100ppm	360mg/m ³	
	OSHA Z1A	STEL	150ppm	540mg/m ³	
<i>Isopropyl Alcohol</i>	ACGIH	TWA	200ppm		
	ACGIH	STEL	400ppm		
	OSHA Z1	PEL	400ppm	980 mg/m ³	
	OSHA Z1A	TWA	400ppm	980 mg/m ³	
	OSHA Z1A	STEL	500ppm	1.225 mg/m ³	
<i>Glycol Ether</i>	ECCOEL (01 2001)	TWA	25ppm		
<i>N-Propanol</i>	US (OSHA) Z1A	TWA	200ppm	500mg/m ³	

Respiratory and Ventilation

Wear approved NIOSH/MSHA respirator if exposure to mist or vapor exceed applicable PEL/TLV limits.
Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34.
Local ventilation may be used to prevent routine inhalation.

Skin Protection

Wear water resistant impervious gloves if handling bulk amounts.

Eye Protection

Wear goggles where spills or splashing may occur.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance	Liquid
b) Colour	Various (Please refer to section 16 for full color list)
c) Odour	Alcohol-like
d) Odour Threshold	Not known
e) pH	Not known
f) Melting point/freezing	Not known
g) Initial boiling point and boiling range	Not known
h) Flash point	68°F (20°C) (Tag closed up)
i) Evaporation rate	Not known
j) Flammability (solid/gas)	Not known
k) Upper/lower flammability or explosive limits	Not known
l) Vapour pressure	Not known
m) Vapour density	<1
n) Relative density	Not known
o) Water solubility	Miscible
p) Partition coefficient: n-octanol/water	Not known
q) Auto-ignition temperature	Not known
r) Decomposition temperature	Not known
s) Viscosity	5-20 cps
t) Explosive properties	Not known
u) Oxidizing properties	Not known

Other safety information

None.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under recommended storage conditions.

(Ethanol: Strong oxidizing agents.)

(Propylene Glycol Monomethyl Ether: May form peroxides on prolonged storage.)

(Isopropyl Alcohol: Reacts with strong oxidizing agents and strong acids.)

(Glycol Ether: Strong oxidizing agents.)

(N-Propanol: Strong oxidizing agents. Incompatible with acids.)

Conditions to avoid

Keep away from heat, sparks and flame.

Incompatible materials

Amines. Alkalis. Strong oxidizing substances. Acids.

Hazardous decomposition products

No dangerous decomposition products known. Decomposition products depend on conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects

Studies have not been performed on this particular mixture. The information below is based on data on the individual ingredients.

Oral

Ethanol: LC50, rat >7,060mg/kg BWT

Propylene Glycol Monomethyl Ether: LD50, rat >2,000mg/kg

Isopropyl Alcohol: LD50, rat >2,000mg/kg

Glycol Ether: LD50, rat >3,089mg/kg

N-Propanol: LD50, rat >1,870mg/kg

Inhalation

Ethanol: LC50 >2,000ppm / 10 hours, Rat

Propylene Glycol Monomethyl Ether: LC50 > 5000 ppm/1-hour, Rat

Isopropyl Alcohol: LC50 > 5000 ppm/1-hour, Rat

Glycol Ether: LC50 > 2132 ppm/6 hours, Rat

N-Propanol: LC50 > 4,000 mg/l 4 hours, Rat

Dermal

Ethanol: LD50, rabbit >20mg/24hrs

Propylene Glycol Monomethyl Ether: LD50, rabbit >2,000mg/kg

Isopropyl Alcohol: LD50, rabbit >2,000mg/kg

Glycol Ether: LD50, rabbit >1,337mg/kg

N-Propanol: LD50, rabbit >4,060mg/kg

Eye Effects

Irritating to eyes.

Skin Effects

Cause skin irritation.

Respiratory Effects

Vapors may cause drowsiness and dizziness.

Additional toxicological information:

When used and handled according to specifications, the mixture does not have any harmful effects according to past experience and the information provided.

SECTION 12 – ECOLOGICAL INFORMATION**Toxicity**

Not expected to be harmful to the environment.

Aquatic toxicity

Low toxicity to aquatic organisms on an acute basis.

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

Not expected to bioaccumulate significantly.

Mobility in soil

If products enters soil, it will be highly mobile and may contaminate groundwater.

Additional ecological information

Not known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of all waste material in accordance with all applicable federal, state and local regulations for the disposal of flammable aqueous polymer wastes.

SECTION 14 – TRANSPORT INFORMATION**DOT (US)**

UN number:	1210
Class:	3
Packing group:	II
Shipping name technical:	Printing Ink, Flammable
Shipping name hazard:	Printing Ink, Flammable

IMDG

UN number:	1210
Class:	3
Packing group:	II
Shipping name technical:	Printing Ink, Flammable
Shipping name hazard:	Printing Ink, Flammable
EmS number:	F-E, S-D
Marine pollutant:	No

ICAO/IATA

UN number:	1210
Class:	3
Packing group:	II
Shipping name technical:	Printing Ink, Flammable
Shipping name hazard:	Printing Ink, Flammable
Marine pollutant:	No

HAZCHEM CODE

3YE

CEFIC TEC® NUMBER

30GF1-1+11, 30GF1-sp

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the materials.

SECTION 15 – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA

Not applicable to this mixture.

Section 355 (Extremely hazardous substances)

Not applicable to this mixture.

Section 313 (Specific toxic chemical listing)

Not applicable to this mixture.

TSCA (Toxic Substance Control Act)

All ingredients are listed.

Proposition 65

This product contains the following Proposition 65 chemical: Ethanol is only considered when it is ingested as an alcoholic beverage. This does not apply to this art material mixture. As of December 3, 2015, this product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm at levels which would require a warning under the statute.

Carcinogenicity categories**EPA (Environmental Protection Agency)**

Not applicable to this mixture.

NOISH-Ca (National Institute for Occupational Safety)

Not applicable to this mixture.

OSHA-Ca (Occupational Safety & Health)

Not applicable to this mixture.

SECTION 16 – OTHER INFORMATION**Product Description**

Product No.	Color Name
TIM19800	Alcohol Blending Solution

Alcohol Inks

Product No.	Color Name
BI-7498	Mushroom
BI-7499	Latte
BI-7500	Slate
BI-7501	Stonewashed
BI-7502	Meadow
BI-7503	Red Pepper
BI-7492	Rust
BI-7494	Oregano
BI-7495	Caramel
BI-7496	Currant
BI-7497	Ginger
BI-7493	Pitch Black / Deep Emerald WI-DEEM-05OZ
BI-7360	Raisin
BI-7362	Pesto
BI-7363	Bottle

BI-7364	Espresso
BI-7856	Aqua
BI-7870	Citrus
BI-7855	Cloudy Blue
BI-7869	Clover
B-7854	Cool Peri
BI-7865	Hazelnut
BI-7857	Juniper
BI-7852	Lake Mist
BI-7861	Lemonade
BI-7872	Mountain Rose
BI-7862	Peach Bellini
BI-7864	Pebble
BI-7863	Pink Sherbet
BI-7868	Pool
BI-7866	Purple Twilight
BI-7875	Raspberry
BI-7867	Sailboat Blue / Sea Glass WI-SEGL-05OZ
BI-7860	Salmon
BI-7853	Sandal
BI-7859	Shell Pink
BI-7874	Sunset Orange / Orange Crush WI-ORCR-05OZ
BI-7873	Sunshine Yellow / Gadsden Yellow WI-GAYE-05OZ
BI-7871	Watermelon
BI-7858	Willow
SI-3236	Wild Plum
BI-7353	Stream
BI-7354	Cranberry
BI-7355	Eggplant
BI-7356	Denim / Dress Blue WI-DRBL-05OZ
BI-7357	Terra Cotta
BI-7358	Butterscotch
BI-7359	Lettuce
BI-8370	Mermaid
BI-8371	Teakwood
BI-8372	Poppyfield
BI-8373	Botanical / Kelly Green WI-KEGR-05OZ
BI-8374	Honeycomb
BI-8375	Indigo / Vigilant Blue WI-VIBL-05OZ
SI-3185	Blending Solution
BI-8611	Flamingo
BI-8612	Valencia
BI-8613	Limeade
BI-8614	Patina
BI-8615	Turquoise / Blue Seas WI-BLSE-05OZ
BI-8616	Amethyst
BI-8810	Dandelion
BI-8811	Coral
BI-8812	Pistachio
BI-8813	Crimson / Valour Red WI-VARE-05OZ
BI-8814	Aquamarine
BI-8815	Sepia
BI-7557	Copper
BI-7558	Gold
BI-7559	Silver
BI-7520	Pearl
BI-7202	Snow Cap
BI-8816	Gunmetal
BI-8817	Rose Gold

Abbreviations and acronyms:

H Statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H312	Harmful in contact with skin.
H318	Causes serious eye damage.
H319	Causes serious eye Irritation.

R-phrases

R10	Flammable.
R11	Highly flammable.
R21	Harmful in contact with skin.
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.

NFPA (SCALE 0-4) National Fire Protection Association (USA)

Health: 2	Warning: May be harmful if inhaled or absorbed.
Fire: 3	Warning: Flammable liquid flash point below 100°F
Reactivity: 0	Stable: Not reactive when mixed with water.

HMIS (SCALE 0-4) Hazardous Materials Identification System (USA)

Health: 1	Slight Hazard: Irritation or minor reversible injury possible.
Fire: 3	Serious Hazard: Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73°F and boiling points above 100°F. as well as liquids with flash points between 73°F and 100°F. (Classes IB & IC)
Reactivity: 0	Minimal Hazard: Materials which are normally stable even under fire conditions, and which will not react with water.

Exposure Limits

TWA - Time Weighted Average (8 hr.)
STEL - Short Time Exposure Limit (15 min.)
REL - Recommended Exposure Limit
PEL - Permissible Exposure Limit
IDLH - Immediately Dangerous to Life or Health

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MTS-US LLC and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Prepared March 30, 2018