Safety Data Sheet
Tim Holtz® Alcohol Ink

1. Identification

Product name:	Tim Holtz® Alcohol Ink Mixatives
Effective Date:	September 14, 2017
Manufacturer:	Ranger Industries, Inc. 15 Park Road Tinton Falls, NJ 07724
Information Contact:	732-389-3535
Emergency Contact: Chemtrec (24 Hours)	800-468-6942 800-424-9300 (for spills only)
Product Use:	Art Material – Consumer Product

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

Pictograms	
Signal Word	**WARNING!**
Hazard Statement	Flammable liquid and vapor. Vapor may cause flash fires. Harmful if swallowed. Eye irritant. Skin irritant. Respiratory tract irritant.
Precaution Statement	Keep away from heat, sparks, and flame. Use adequate ventilation. Do not breathe. Do not smoke. Extinguish all flames and pilot lights, 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.

Regulation (EC) No. 1272/2008	Flammable liquid 3 (H226); Eye irritant 2 (H319)
Directive 67/548/EEC & Directive 1999/45/EC	[Isopropyl Alcohol: F: R11; Xi: R36, R67]; [1-Methoxy-2-Propanol: R10, R67]

3. Composition / Information on Ingredients

Substance/Mixture: Mixture

CAS–No.	Name According to EEC	Content
67-63-0	Isopropyl Alcohol	<20%
107-98-2	1-Methoxy-2-Propanol	<20%
1569-01-3	1-Propoxy-2-Propanol	<10%
Proprietary	Pigments	10%-90%
68333-69-7	Modified Rosin (Only applies to SNOW CAP)	10%-15%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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.

4. First Aid Measures

Inhalation	If affected, seek fresh air.
Skin Contact	Wash the affected area with plenty of soap and water.
Eye Contact	Carefully flush with water for at least 15 minutes. If irritation occurs, contact a physician.
Ingestion	Drink water or milk to dilute. Do not induce vomiting. Contact a physician.

5. Fire Fighting Measures

Extinguishing Media	Water, foam, carbon dioxide, or dry chemical.
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. Keep away from heat and open flame. Exposure of closed containers to excessive heat may cause disruptive pressure.

Flashpoint/Flammability	54°F-68°F (12.2°C-20°C)(Tag closed cup)/ Flammable (Mixture)

6. Accidental Release Measures

Environmental Precautions	This product should not be released into the environment
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.

7. Handling and Storage

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 closed when not in use. Keep container upright to prevent leakage.
Storage	Flammable liquid. Store between 50-100°F, ideally 70°F (10-37.7°C, ideally 21.1°C)

8. Exposure Controls / Personal Protection

Personal Protective Equipment	Wear safety goggles, water resistant impervious gloves, and protective clothing if handling bulk materials.

Exposure Limits

Component	***Source***	***Type***	***ppm***	***mg/m3***
Isopropyl Alcohol	ACGIH	TWA	200ppm	
	ACGIH	STEL	400ppm	
	OSHA Z1	PEL	400ppm	980mg/m3
	OSHA Z1A	TWA	400ppm	980mg/m3
	OSHA Z1A	STEL	500ppm	1.225mg/m3
1-Methoxy-2-Propanol	ACGIH	TWA	100ppm	
	ACGIH	STEL	150ppm	
	OSHA Z1A	TWA	100ppm	360mg/m3
	OSHA Z1A	STEL	150ppm	540mg/m3
1-Propoxy-2-Propanol	NONE ESTABLISED			

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 impervious gloves if handling bulk amounts.
Eye Protection	Wear goggles where spills or splashing may occur.

9. Physical and Chemical Properties

Appearance	Colored
Physical State	Liquid
Color	Various (Please refer to section 16 for a full color list)
Odor	Alcohol odor
Boiling Point	Not determined
Freezing Point	Not determined
State (pH)	Not applicable
Specific Gravity	Not determined
Viscosity	5-20cps
Flashpoint	54°F-68°F (12.2°C-20°C)(Tag closed cup)
Vapor Pressure	Not determined
Vapor Density	>1
Solubility in Water	Miscible

10. Stability and Reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical Stability	Product is stable under recommended storage conditions. (*Isopropyl Alcohol:* Reacts with strong oxidizing agents and strong acids.) (*1-Methoxy-2-Propanol*: May form peroxides on prolonged storage.) (*1-Propoxy-2-Propanol*: Keep away from heat, sparks, and flame.)
Conditions to Avoid	Keep away from heat, sparks, and flame.
Incompatible materials	Amines. Alkalis. Strong oxidizing substances. Acids.
Hazardous Decomposition Products	None known. Decomposition products depend on conditions.

11. Toxicological Information

Health Effects	Studies have not been performed on this particular mixture. The information below is based on data of the individual ingredients.
Oral	Isopropyl Alcohol:LD50>5840mg/kg (rat) 1-Methoxy-2-Propanol:LD50>2000mg/kg (rat) 1-Propoxy-2-Propanol:LD50>2000mg/kg (rat)
Inhalation	Isopropyl Alcohol:LC50>5000ppm/1 hour (rat) 1-Methoxy-2-Propanol:LC50>5000ppm/1 hour (rat) 1-Propoxy-2-Propanol:LC50>8.34mg/l 4 hour (rat)
Dermal	Isopropyl Alcohol:LD50>13900mg/kg (rabbit) 1-Methoxy-2-Propanol:LD50>2000mg/kg (rabbit) 1-Propoxy-2-Propanol:LD50>2000mg/kg (rabbit)
Eye Effects	May cause eye irritation
Skin Effects	May cause mild skin irritation
Respiratory Effects	Vapors may cause drowsiness and dizziness

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	No data available

13. Disposal Information

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

14. Transportation Information

US DOT Classification

Shipping Name	Printing Ink, Flammable
Technical Shipping Name	Printing Ink, Flammable
Hazard Class	3
UN Number	1210
Packing Group	II

IMDG

Shipping Name	Printing Ink, Flammable
Technical Shipping Name	Printing Ink, Flammable
Hazard Class	3
UN Number	1210
Packing Group	II
EmS Number	F-E, S-D
Marine Pollutant	No

ICAO/IATA

Shipping Name	Printing Ink, Flammable
Technical Shipping Name	Printing Ink, Flammable
Hazard Class	3
UN Number	1210
Packing Group	II
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.

15. Regulatory Information

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

SARA

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	As of September 14, 2107 this product contains no listed substances known to the State of California to cause birth defects or other reproductive harm at levels which would require a warning under the statute.

Carcinogenic Categories

EPA (Environmental Protection Agency)	Not applicable to this mixture
TLV (Threshold Limit Value established by ACGIH)	Not applicable to this mixture
MAK (German Maximum Workplace	Not applicable to this mixture

Concentration)	
NIOSH-Ca (National Institute for Occupational Safety & Health)	Not applicable to this mixture
OSHA-Ca (Occupational Safety & Health Administration)	Not applicable to this mixture

16. Other Information

Product Description

Product No.	Color Name
TIM21988	Copper
TIM22114	Pearl
TIM22176	Silver
TIM22053	Gold
TAL31611	Snow Cap
TAL59790	Rose Gold
TAL59783	Gunmetal

Supersedes MSDS	December 3, 2015
Reason for Issue	Additional Colors
Prepared by:	Steve Sanchez, Chemist Health, Safety, and Environmental Dept Ranger Industries, Inc. 15 Park Road Tinton Falls, NJ 07724 USA 732-389-3535

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