


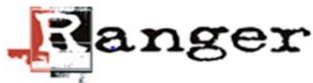


1. Identification of the Preparation and of The Company	
Product Name and/or code:	TIM HOLTZ® ADIRONDACK® ALCOHOL INK TIM HOLTZ® ADIRONDACK® ALCOHOL BLENDING SOLUTION
Effective Date:	April 22, 2015.
Manufacturer:	Ranger Industries, Inc. 15 Park Road Tinton Falls, NJ 07724
Information Contact:	732-389-3535
Emergency Contact:	800-468-6942 or 800-468 -6943
Chemtrec (24 hours)	800-424-9300 (for spills only)
Product Use:	ART MATERIAL - Consumer Product
2. Hazards Identification	
Emergency Overview	
<i>WARNING! FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRES. VAPOR HARMFUL. HARMFUL IF SWALLOWED. IRRITANT.</i>	
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 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.
Children's Statement	Keep out of the reach of children.
<i>Classification of the Product:</i>	
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]
3.Composition/Information on Ingredients:	
Substances:	
Mixture of the following chemicals:	Ethanol (CAS No. 64-17-5) 47 - 65%



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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.

4. First Aid Measures

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

5. Firefighting Measures

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)

6. Accidental Release Measures

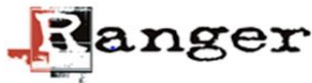
Environmental precautions	This product should not be released in to the environment.
Methods and Materials for Containment and Cleaning up	Contain spill. Recover as much as possible. Absorb remainder with an inert material. Place into closed container and store in a safe location to await disposal. Wash 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 tightly 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 goggles where spills or splashing may occur. Wear water resistant impervious gloves if handling bulk amounts.
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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 (OSHA)	TWA	1000 ppm	1,900mg/m ³	29 CFR 1910.1000 Table Z-1 limits for air contaminants.
<i>Propylene Glycol Monomethyl Ether</i>	ACGIH	TWA	100ppm		
	ACGIH	STEL	150ppm		
	OSHA Z1A	TWA	100ppm	360mg/m ³	
<i>Isopropyl Alcohol</i>	OSHA Z1A	STEL	150ppm	540mg/m ³	
	ACGIH	TWA	200ppm		
	ACGIH	STEL	400ppm		
	OSHA Z1	PEL	400ppm	980 mg/m ³	
	OSHA Z1A	TWA	400ppm	980 mg/m ³	
<i>Glycol Ether</i>	OSHA Z1A	STEL	500ppm	1.225 mg/m ³	
	ECCOEL (01 2001)	TWA	25ppm		
	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

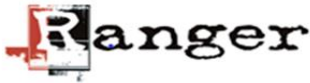
Wear goggles where spills or splashing may occur.

9. Physical and Chemical Properties

Appearance	Liquid-Ink
Physical State	Liquid
Color	Various (Please refer to section 16 for a full color list)
Odor	Alcohol-like
Boiling Point	Not determined
Freezing Point	No data available
State (pH)	Not determined
Specific Gravity	Not determined
Viscosity	5-20 cps
Flashpoint	68°F (20°C)(Tag closed up)
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.



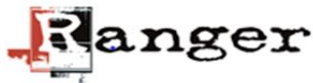
Chemical Stability	Stable under recommended storage conditions. (<i>Ethanol</i> : Strong oxidizing agents.) (<i>Propylene Glycol Monomethyl Ether</i> : May form peroxides on prolonged storage.) (<i>Isopropyl Alcohol</i> : Reacts with strong oxidizing agents and strong acids.) (<i>Glycol Ether</i> : Strong oxidizing agents.) (<i>N-Propanol</i> : 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.

11. Toxicological Information

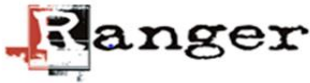
Health Effects	Studies have not been performed on this particular mixture. The information below is based on data on the individual ingredients.
Oral	<i>Ethanol</i> : LC50, rat >7,060mg/kg BWT <i>Propylene Glycol Monomethyl Ether</i> : LD50, rat >2,000mg/kg <i>Isopropyl Alcohol</i> : LD50, rat >2,000mg/kg <i>Glycol Ether</i> : LD50, rat >3,089mg/kg <i>N-Propanol</i> : LD50, rat >1,870mg/kg
Inhalation	<i>Ethanol</i> : LC50 >2,000ppm / 10 hours, Rat <i>Propylene Glycol Monomethyl Ether</i> : LC50 > 5000 ppm/1 hour, Rat <i>Isopropyl Alcohol</i> : LC50 > 5000 ppm/1 hour, Rat <i>Glycol Ether</i> : LC50 > 2132 ppm/6 hours, Rat <i>N-Propanol</i> : LC50 > 4,000 mg/l 4 hours, Rat
Dermal	<i>Ethanol</i> : LD50, rabbit >20mg/24hrs <i>Propylene Glycol Monomethyl Ether</i> : LD50, rabbit >2,000mg/kg <i>Isopropyl Alcohol</i> : LD50, rabbit >2,000mg/kg <i>Glycol Ether</i> : LD50, rabbit >1,337mg/kg <i>N-Propanol</i> : LD50, rabbit >4,060mg/kg
Eye Effects	Irritating to eyes.
Skin Effects	Cause skin irritation.
Respiratory Effects	Vapors may cause drowsiness and dizziness.
<u>Additional toxicological information:</u>	When used and handled according to specifications, the mixture does not have any harmful effects according to past experience and the information provided.

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.
Bio accumulative 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	No information available.



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.	
14. Transport Information	
DOT Non-Bulk	This regulation does not apply to the non-bulk material.
Shipping Name	Not applicable to this mixture.
Technical Shipping Name	Not applicable to this mixture.
Hazard Class	Not applicable to this mixture.
UN Number	Not applicable to this mixture.
Packing Group	Not applicable to this mixture.
IMDG	This regulation does not apply to the non-bulk material.
Shipping Name	Not applicable to this mixture.
Technical Shipping Name	Not applicable to this mixture.
Hazard Class	Not applicable to this mixture.
UN Number	Not applicable to this mixture.
Packing Group	Not applicable to this mixture.
EmS Number	Not applicable to this mixture.
Marine Pollutant	Not applicable to this mixture.
ICAO/IATA	This regulation does not apply to the non-bulk material.
Shipping Name	Not applicable to this mixture.
Technical Shipping Name	Not applicable to this mixture.
Hazard Class	Not applicable to this mixture.
UN Number	Not applicable to this mixture.
Packing Group	Not applicable to this mixture.
Marine Pollutant	Not applicable to this mixture.
<i>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.</i>	
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.
<i>Proposition 65</i>	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 April 23, 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.
Chemicals known to cause cancer	None of the ingredients are listed as of April 23, 2015.
Chemicals known to cause reproductive toxicity for females	None of the ingredients are listed as of April 23, 2015.
Chemicals known to cause reproductive toxicity for males	None of the ingredients are listed as of April 23, 2015.



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Chemicals known to cause developmental toxicity	This product contains the following Proposition 65 chemicals: Ethanol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage. This does not apply to this art material mixture.
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Carcinogenicity 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 Concentration)	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.

16. Other Information

Product Description

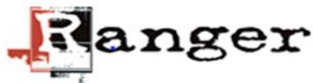
Product No. Color Name

TIM19800 Alcohol Blending Solution

Alcohol Inks

Product No. Color Name

- TAL25610 Aqua
- TAL40712 Botanical
- TIM21957 Bottle
- TIM21964 Butterscotch
- TIM21971 Caramel
- TAB25450 Citrus
- TAL25627 Cloudy Blue
- TAB25467 Clover
- TAL25634 Cool Peri
- TIM21995 Cranberry
- TIM22008 Currant
- TIM22015 Denim
- TIM22022 Eggplant
- TIM22039 Espresso
- TIM22046 Ginger
- TAB25474 Hazelnut
- TAL40699 Honeycomb
- TAL40705 Indigo
- TAL25641 Juniper
- TAL25375 Lake Mist
- TIM22060 Latte
- TAL25382 Lemonade
- TIM22077 Lettuce
- TIM22084 Meadow
- TAL40729 Mermaid
- TAB25481 Mountain Rose
- TIM22091 Mushroom
- TIM22107 Oregano
- TAL25658 Peach Bellini
- TAB25498 Pebble



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TIM22121 Pesto
TAL25665 Pink Sherbet
TIM22138 Pitch Black
TAB25504 Pool
TAL40736 Poppyfield
TAB25511 Purple Twilight
TIM22145 Raisin
TAB25528 Raspberry
TIM22152 Red Pepper
TIM22169 Rust
TAB25535 Sailboat Blue
TAL25672 Salmon
TAL25689 Sandal
TAL25436 Shell Pink
TIM22183 Slate
TIM22190 Stonewashed
TIM22206 Stream
TAB25542 Sunset Orange
TAB25559 Sunshine Yellow
TAL40743 Teakwood
TIM22213 Terra Cotta
TAB25566 Watermelon
TIM22220 Wild Plum
TAL25443 Willow

Supersedes MSDS

Reason for Issue:

Prepared by:

10-May-12

GHS Format

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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.
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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