

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:	December 3, 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

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

Classification of the Product: Hazardous

Label Elements

Pictograms



GHS02



GHS06



GHS07

Signal Word

WARNING!

Hazard Statement

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

Precaution Statement

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]

3.Composition/Information on Ingredients:

Substances:

Mixture of the following chemicals:

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



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TIM HOLTZ Adirondack® Alcohol Ink™

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

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

US DOT Classification

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

IMDG

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

ICAO/IATA

Shipping Name Technical	Printing Ink, Flammable
Shipping Name Hazard	Printing Ink, Flammable
Class	3
UN Number	1210
Packing Group	II
Marine Pollutant	No

HAZCHEM CODE

3YE

CEFC 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/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. Not applicable to this mixture.
	Not applicable to this mixture.
NOISH-Ca (National Institute for Occupational Safety & Health)	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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TIM HOLTZ Adirondack® Alcohol Ink™

- 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
Jim Gugger, Chemist
Health, Safety, and Environmental Dept
Ranger Industries, Inc.
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USA
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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.

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