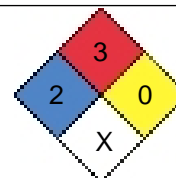


MATERIAL SAFETY DATA SHEET



SECTION 1) : Chemical Product and Manufacturer's Identification

Product ID : 9-XXXX
Product Name : WOODCRAFT RETAIL FELT TOUCH UP PEN "ALL COLORS"
Revision Date : 05/28/2013
Manufacturer's Name : TOUCH-UP SOLUTIONS
Address :

Emergency Phone : 1-800-535-5053 **Date Printed :** 05/28/2013
Information Phone : 828-428-9094 **Contact Name :** TROY PAIT

Product uses :

SECTION 2) Hazards Identification

INHALATION:

Irritation may be delayed for several hours. Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

SKIN:

Can cause minor irritation, dermatitis and defatting. No hazard in normal industrial use.

No absorption hazard in normal use. Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.

EYES:

Contact with the eyes may cause moderate to severe irritation. Temporary vision impairment (Blurred or Cloudy). No hazard in normal industrial use.

PERSONAL PROTECTION - OTHER:

Ethyl alcohol : The following medical conditions may be aggravated by exposure: liver disease. Tests in some laboratory animals indicate this compound may have embryotoxic activity. Tests in animals demonstrate reproductive toxicity. Ingestion may cause any of the following: stupor (central nervous system depression), gastrointestinal irritation. If absorbed through the skin, may be: harmful.

Isopropyl alcohol : The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

Methyl ethyl ketone : Material is irritating to mucous membranes and upper respiratory tract. Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: central nervous system, eyes, respiratory system, skin. Prolonged or repeated overexposure may cause any of the following: conjunctivitis, dermatitis. High concentrations have caused embryotoxic effects in laboratory animals. Aspiration may occur during swallowing or vomiting, resulting in lung damage. Ingestion may cause headache, nausea, vomiting, dizziness, and drowsiness.

Ethyl acetate : Increased susceptibility to the effects of this material may be observed in people with preexisting disease of any of the following: eyes, respiratory system, skin. Tests in laboratory animals have shown effects on any of the following organs/systems: blood, kidneys, liver.

SECTION 3) Composition, Information on Ingredients

CAS Number	Chemical Name	% by Weight
0000064-17-5	ETHYL ALCOHOL	49.357%
0000067-63-0	ISOPROPYL ALCOHOL	8.129%
0000078-93-3	METHYL ETHYL KETONE	19.104%
0000109-60-4	N-PROPYL ACETATE	0.581%
0000141-78-6	ETHYL ACETATE	3.252%
0000147-14-8	PHTHALOCYANINE BLUE	0.012%
0007440-47-3	CHROMIUM	2.583%
NA-Proprietary	PolyKetone Resin	16.700%

SECTION 4) First Aid Measures

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.

EYES:

Flush eyes with plenty of water for at least 20 minutes. Get medical attention, if irritation persists. Always use an eye wash to remove a chemical from your eye regardless of the level of hazard.

SKIN:

Immediately flush skin with plenty of soap and water. If reaction occurs or problems, please seek medical attention.

SECTION 5) Fire and Explosion Hazards

FIRE FIGHTING INSTRUCTIONS:

FIRE HAZARDS: Do not pressurize, cut, weld, braze, drill, grind, solder, or expose container to heat, sparks, flame, static electricity, or other sources of ignition.

Fire Fighting Instructions: A. Flammable components of this material may be lighter than water and burn while floating on the surface. Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protection.

Fire Fighting Instructions: Part B: Fight fire from a safe distance and a protected location due to the potential hazardous vapors and decomposition products. Flammable components of this material may be lighter than water and burn while floating on surface.

Fire Fighting Instructions: Part C: Use water spray / fog for cooling.

Hazardous Combustion Products: Carbon monoxide

SECTION 6) Accidental Release

ACCIDENTAL RELEASE MEASURES:

Health Consideration for Spill Response: Part A: Exposure to the spilled may be irritating or harmful. Follow personal protective equipment found in this MSDS. Additional precautions may be necessary based on special circumstances.

Health Consideration for Spill Response: Part B: Please consider the expertise of employees in the area responding to the spill.

Spill Mitigation Procedures / General Methods: Part A: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment.

Spill Mitigation Procedures / General Methods: Part B: Use suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. This evaluation is left up to buyer of this product and not TUS.

SECTION 7) Handling and Storage

HANDLING:

Handling: Part A: Use spark-proof tools and explosion-proof equipment.

Handling: Part B: Use only in a well-ventilated area. Ground and bond containers when transferring material. Avoid breathing. Avoid contact with this material. Wash hands thoroughly after handling. Do not use pressure to unload containers.

STORAGE:

Do not store near combustible materials. Keep away from heat, sparks, and flames. Store in a cool dry place. Keep container closed when not in use. Avoid exposure to sunlight or light sources (UV). Keep containers closed.

Store in a cool dry place. Isolate from incompatible materials

SECTION 8) Exposure Controls, Personal Protection

ENGINEERING CONTROLS:

Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Use explosion-proof ventilation equipment. Always keep eyewash on hand.

PERSONAL PROTECTION - RESPIRATORY:

Respiratory Tract: Part A: Respirators should be selected and under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) & ANSI's standard (Z88.2-1992).

Respiratory Tract: Part B. A written respiratory protection program, including provisions for medical certification, training, fit testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage should be implemented.

PERSONAL PROTECTION - EYE:

Eye: A: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/ or face shield when the possibility exists for eye contact with liquid or airborne material.

Eye: B: Do not wear contact lenses. Have an eye wash station available.

PERSONAL PROTECTION - GLOVES AND HAND:

Skin: Gloves of neoprene, natural rubber, or other chemically resistant material may provide protection against permeation. Inspect and clean protective equipment regularly.

Exposure Regulation	OSHA				ACGIH				CANADA				
	TWA		STEL		TWA		STEL		TWA		STEL		
	ppm	mg	ppm	mg	ppm	mg	ppm	mg	ppm	mg	ppm	mg	
Components													
ETHYL ALCOHOL	1000	1900					1000			1000	1884	1250	2355
ISOPROPYL ALCOHOL	400	980			200		400			400	983	500	1228
METHYL ETHYL KETONE	200	590			200	590	300	885	200	590	300	885	
N-PROPYL ACETATE	200	840			200	835	250	1040	200	835	250	1040	
ETHYL ACETATE	400	1400			400	1440			400	1441	500	1801	
CHROMIUM		1				0.5				0.5		1.5	

SECTION 9) Physical and Chemical Properties

Summary:

See below

Physical Properties

Density :	6.10 lb/gal	Specific Gravity :	0.73		
% Solids by Weight :	13.94%	% Solids by Vol :	0.00%		
Density VOC :	4.91 lb/gal	Density HAPS :	1.32 lb/gal	Density VHAPS :	1.17 lb/gal
% VOC :	80.42%	% HAPS :	21.69%	% VHAPS :	19.10%
lb VOC/lb Solid :	5.77	lb HAPS/lb Solid :	1.56	lb VHAPS/lb Solid :	1.37
lb VOC/gal Solid :	0.00	lb HAPS/gal Solid :	0.00	lb VHAPS/gal Solid :	0.00

HMIS	
Health :	2
Flammability :	3
Reactivity :	0
Protection :	X
Chronic :	<input type="checkbox"/>

VOC Actual [lb/gal] :	4.91	VOC Regulatory [lb/gal] :	4.91
VOC Actual [g/l] :	587.80	VOC Regulatory [g/l] :	587.80

Evap Rate :		Autoignition Temp :	0
Flammability Index :	3	pH :	
Flash Pt Symbol :	<	Flash Pt :	< 60

SECTION 10) Stability and Reactivity

CONDITIONS TO AVOID:

Stability Information: Stable under normal conditions.
 Contamination. Contact with air. Visible light. Contact with Water.

INCOMPATIBILITY:

Strong oxidizing agents. Strong acids. Strong alkalies. Aminies. Water

HAZARDOUS DECOMPOSITION PRODUCTS:

Hazardous Polymerization will not occur

SECTION 11) Toxicological Information

0000141-78-6

ETHYL ACETATE

LC50 (rat): 19600 ppm (4-hour exposure); cited as 16000 ppm (6-hour exposure) (10)
LC50 (mouse): 10600 ppm (38100 mg/m3) (4-hour exposure); cited as 44000 mg/m3 (3-hour exposure) (8)
LD50 (oral, rat): 10200 mg/kg (cited as 11.3 mL/kg) (7); 5600 mg/kg (5,13)
LD50 (oral, mouse): 4100 mg/kg (11)
LD50 (oral, rabbit): 4900 mg/kg (9)
LD50 (oral, guinea pig): 5500 mg/kg (11)
LD50 (dermal, rabbit): Greater than 18000 mg/kg (cited as 20 mL/kg) (7)

0000064-17-5

ETHYL ALCOHOL

LC50 (mouse): Approximately 21000 ppm (4-hour exposure); cited as 39 g/m3 (4-hour exposure) (1, unconfirmed)
LD50 (oral, rat): 7060 mg/kg (41); 10600 mg/kg (41); 13660 mg/kg (37)
LD50 (oral, mouse): 3450 mg/kg (1, unconfirmed)
LD50 (oral, guinea pig): 5560 mg/kg (37)

0000067-63-0

ISOPROPYL ALCOHOL

LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18)
LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19)
LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)
LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14)

0000078-93-3

METHYL ETHYL KETONE

LC50 (male rat): 11,700 ppm (4-hour exposure) (3)
LC50 (male rat): 11,300 ppm (4-hour exposure); cited as 23.5 mg/L (7,990 ppm) (8-hour exposure) (4)
LD50 (oral, adult male rat): 2,740 mg/kg; cited as 3.4 mL/kg (1)
LD50 (dermal, rabbit): greater than 5,000 mg/kg (29)

0000109-60-4

N-PROPYL ACETATE

LD50 (oral, rat): 8700 mg/kg; cited as 9.8 mL/kg (4)
LD50 (oral, mouse): 8300 mg/kg (5)
LD50 (oral, rabbit): 6600 mg/kg; cited as 65 mmols/kg (6)
LD50 (dermal, rabbit): Greater than 17700 mg/kg; cited as 20 mL/kg (4)

SECTION 12) Ecological Information

ECOLOGICAL INFORMATION:

This product is not expected to persist in the environment.

SECTION 13) Disposal Consideration

DISPOSAL CONSIDERATIONS:

WASTE DESCRIPTION FOR SPENT PRODUCT: Spent or discarded material is a hazardous waste. Spent or discarded material may be a hazardous waste.

Follow federal, state, and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer.

COMPONENTS SUBJECT TO USEPA LAND DISPOSAL RESTRICTIONS: Contains Chromium (CAS #: 7440-47-3).

SECTION 14) Transport Information

TRANSPORT INFORMATION:

HAZARD CLASS: 3

Paint, 3, UN 1263, PG II, GUIDE 128

See 49CFR 172.101 for Special Provisions, Packaging, and QTY Limitations.

SECTION 15) Regulatory Information

CAS	Chemical Name	% By Weight	Regulation List
0000067-63-0	ISOPROPYL ALCOHOL	8.1294%	SARA313,IARCCarcinogen,CA_TOX
0000078-93-3	METHYL ETHYL KETONE	19.1038%	CA_TAC_TOX,CA_TOX
0000147-14-8	PHTHALOCYANINE BLUE	0.0122%	SARA313,CA_TOX,CA_Carcinogen
0007440-47-3	CHROMIUM	2.5834%	SARA313,IARCCarcinogen,CA_TAC_TOX,CA_TOX,CA_Carcinogen

SECTION 16) Other Information

OTHER:

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