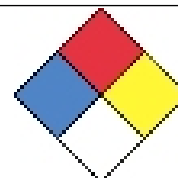


# MATERIAL SAFETY DATA SHEET



## SECTION 1) Chemical Product and Supplier's Identification

**Product ID :** 3-1XX  
**Product Name :** WOODCRAFT AEROSOL TONER - GENERAL FORMULA  
**Revision Date :** 12/19/2014  
**Manufacturer's Name :** TOUCH-UP SOLUTIONS  
**Address :**

**Emergency Phone :** 1-800-535-5053      **Date Printed :** 12/19/2014  
**Information Phone :** 828-428-9094      **Contact Name :** TROY PAIT

**Product uses :**

## SECTION 2) Hazards Identification

### INGESTION:

Ingestion of this product may cause central nervous system effects, which may include dizziness, loss of balance/coordination, unconsciousness, coma, and even death.

### INHALATION:

High concentrations of this product may lead to central nervous system effects (drowsiness, nausea, headaches, paralysis, loss of consciousness and even death). High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

### SKIN:

Moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin dermatitis and irritation.

**SKIN ABSORPTION:** Can be absorbed through the skin but exposure must be extensive before adverse health effects occur. May cause severe irritation and systemic damage. Harmful if absorbed through the skin. No absorption hazard in normal industrial use.

## SECTION 3) Composition / Information on Ingredients

CAS	Chemical Name	% by Weight
0000067-64-1	ACETONE	49.630%
0000075-28-5	ISOBUTANE	20.106%
0000074-98-6	PROPANE	9.418%
0000078-93-3	METHYL ETHYL KETONE	4.343%
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	1.843%
0000107-98-2	PROPYLENE GLYCOL MONOMETHYL ETHER	0.901%
0007440-47-3	CHROMIUM	0.297%

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## SECTION 4) First-aid Measures

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### 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 water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

### INGESTION:

No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

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## SECTION 5) Fire-fighting Measures

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### FIRE FIGHTING INSTRUCTIONS:

Fire Hazards: Part 1: Flammable Liquid. Can release vapors that form explosive mixtures at temperature at or above the flash point.

Fire Hazards: Part 2: Vapors may be ignited by heat, sparks, flames, or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back.

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, Carbon dioxide, Toxic gases, Hydrogen cyanide, & Nitrogen containing gases.

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## SECTION 6) Accidental Release Measures

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### 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.

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## SECTION 7) Handling and Storage

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### 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:

Keep away from heat, sparks, and flames. Store in a cool dry place. Keep container closed when not in use.

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## SECTION 8) Exposure Controls, Personal Protection

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### 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.

**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												
ACETONE	1000	2400			500	1188	750	1782	750	1782	1000	2375
PROPANE	1000	1800			See Appendix F: Minimal Oxygen Content							
ISOBUTANE					1000							
METHYL ETHYL KETONE	200	590			200	590	300	885	200	590	300	885
PROPYLENE GLYCOL MONOMETHYL ETHER					50		100		100	360	150	540
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240			20	97			25	120	75	360
CHROMIUM		1				0.5				0.5		1.5

## SECTION 9) Physical and Chemical Properties

### Summary:

See below

### Physical Properties

Density :	3.47272 lb/gal	Specific Gravity :	0.41612		
% Solids by Weight :	45.52%	% Solids by Vol :	0.00%		
Density VOC :	1.72566 lb/gal	Density HAPS :	0.00000 lb/gal	Density VHAPS :	0.00000 lb/gal
% VOC :	49.69%	% HAPS :	0.00%	% VHAPS :	0.00%
lb VOC/lb Solid :	1.09166	lb HAPS/lb Solid :	0.00000	lb VHAPS/lb Solid :	0.00000
lb VOC/gal Solid :	0.00000	lb HAPS/gal Solid :	0.00000	lb VHAPS/gal Solid :	0.00000
VOC Actual [lb/gal] :	1.72566	VOC Regulatory [lb/gal] :	1.72566		
VOC Actual [g/l] :	206.78335	VOC Regulatory [g/l] :	206.78335		

HMIS	
Health :	2
Flammability :	4
Reactivity :	0
Protection :	B
Chronic :	<input type="checkbox"/>

Odor Description :	Viscous liquid with an odr characteristic of the solvents listed in Section 2.	Appearance :	
Vapor Pressure :	N/A	Vapor Density :	N/A
Freezing Pt :	N/A	Melting Pt :	N/A
High Boiling Pt :	N/A	Low Boiling Pt :	N/A
Evap Rate :	N/A	Autoignition Temp :	0
Lower Explosion Level :	2.2	Upper Explosion Level :	12.8
Flammability Index :	2	pH :	N/A
Flash Pt Symbol :		Flash Pt :	156 °F
Odor Threshold :	N/A /		
Water Oil Coeff :	N/A	Water Solubility :	N/A
Viscosity :	N/A	Flame Extension :	N/A
Molecular Weight :	N/A		

## SECTION 10) Stability and Reactivity

### CONDITIONS TO AVOID:

Stability Information: Stable under normal conditions.

Avoid heat, sparks, and sources of ignition.

### INCOMPATIBILITY:

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

## SECTION 11) Toxicological Information

0000067-64-1

ACETONE

LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m3 (4-hour exposure) (29)  
LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m3 (4-hour exposure) (29)  
LD50 (oral, female rat): 5800 mg/kg (24)  
LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31)  
LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31)  
LD50 (oral, mouse): 3000 mg/kg (32,unconfirmed)  
LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg (30)

0000075-28-5

ISOBUTANE

LC50 (mouse, inhalation): 520,000 ppm (52%); 2-hour exposure.(4)

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)

LC50 (rat): 15000 ppm; 4-hr exposure (2)  
 LC50 (guinea pig): 15000 ppm; 10-hr exposure (2)  
 LD50 (oral, rat): 6.6 g/kg (5.2-7.5 g/kg) (10)  
 LD50 (oral, mouse): 10.7-10.8 g/kg (2,12)  
 LD50 (oral, dog): 4.6-5.5 g/kg (2); approximately 9.2 g/kg (2)  
 LD50 (oral, rabbit): 5.2-5.3 g/kg (2,12)  
 LD50 (dermal, rabbit): 13-14 g/kg (10)

LC50 (female rat): 450 ppm (4-hour exposure) (2)  
 LC50 (male rat): 486 ppm (4-hour exposure) (2)  
 LD50 (oral, male weanling rat): 3000 mg/kg (1)  
 LD50 (oral, 6-week old male rat): 2400 mg/kg (1)  
 LD50 (oral, yearling male rat): 560 mg/kg (1)  
 LD50 (oral, female rat): 530 mg/kg; 2500 mg/kg (1) LD50 (oral, male mouse): 1230 mg/kg (1)  
 LD50 (oral, rabbit): 320 mg/kg (1)  
 LD50 (dermal, male rabbit): 406 mg/kg (cited as 0.45 mL/kg) (1)

## SECTION 12) Ecological Information

### ECOLOGICAL INFORMATION:

Moderate ecological hazard. Keep out of waterways. This product may be dangerous to plants and/ or wildlife.

## SECTION 13) Disposal Considerations

### DISPOSAL CONSIDERATIONS:

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

## SECTION 14) Transport Information

### TRANSPORT INFORMATION:

DOT Compressed Gas, Flammable, N.O.S., 2.1, UN 1950 ( CONTAINS )  
 \* See 49CFR 172.101 for Special Provisions, Packaging, and QTY Limitations.

## SECTION 15) Regulatory Information

CAS	Chemical Name	% By Weight	Regulation List
0000078-93-3	METHYL ETHYL KETONE	4.343%	CA_TAC_TOX,CA_TOX
0000107-98-2	PROPYLENE GLYCOL MONOMETHYL ETHER	0.901%	CA_TOX
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	1.843%	SARA313,CA_TAC_TOX,CA_TAC_Carcinogen,CA_TOX
0007440-47-3	CHROMIUM	0.297%	SARA313,IARCCarcinogen,CA_TAC_TOX,CA_TOX

## SECTION 16) Other Information

### OTHER:

Part 1: The information contained in this MSDS was obtained from current and reliable sources, however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy.

Part 2: Since the conditions or handling, storage and disposal of this product are beyond the control of Touch-Up Solutions LLC. Touch-Up Solutions LLC will not be responsible for loss, injury, or expense arising out of the products improper use.

Part 3: No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS.

Part 4: Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.

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