

# MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION												
<b>PRODUCT NAME:</b> Wahl Clini-Clip		<b>DATE:</b> January 8, 2010										
<b>PRODUCT NUMBER:</b> 3701 (8 oz. Spray), 3701-300 (24 oz. Refill Bottle)												
<b>TRADE NAME:</b> Wahl Clini-Clip <b>GENERAL USE:</b> Clipper Cleaner / Disinfectant <b>CHEMICAL FAMILY:</b> Mixed organic/inorganic. <b>PRODUCT DESCRIPTION:</b> Clear solution with slight alcohol odor. EPA registered under EPA # 70144-1-65637.												
<b>MANUFACTURER</b> Wahl Clipper Corporation		<b>DATE PREPARED:</b> January 8, 2010										
<b>TELEPHONE NUMBER (General Inquiries)</b> 815-625-6560		<b>SUPERSEDES:</b> March 2005 Edition										
<b>ADDRESS (NUMBER, STREET, P.O. BOX)</b> 2900 Locust Street		<b>CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBERS</b>										
<b>(CITY, STATE AND ZIP CODE)</b> Sterling, IL 61081		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"><b>ChemTel INC.</b> </td> <td style="padding: 5px; text-align: center;">1-800-255-3924 North America (Toll Free)</td> <td style="padding: 5px; text-align: center;">813-248-0585 International and Local Calls</td> </tr> </table>		<b>ChemTel INC.</b>	1-800-255-3924 North America (Toll Free)	813-248-0585 International and Local Calls						
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<b>COUNTRY</b> USA												
SECTION 2 - HAZARDS IDENTIFICATION												
<b>EMERGENCY OVERVIEW</b>												
<b>Flammable liquid and vapor. Vapors may travel to ignition source and flash back. No smoking while using product.</b> Breathing mists, spray, and/or vapors may cause drowsiness and dizziness. Causes eye and respiratory tract irritation. Harmful if ingested. Target Organs: Central nervous system, respiratory system, liver, eyes.												
<b>US / CANADA HAZARD SYMBOL(S)</b>		<b>EUROPEAN (GHS) HAZARD SYMBOLS</b>										
See Section 14 for US DOT required symbols.												
Canada (WHMIS)		EU										
		GHS										
<b>HMIS HAZARD RATINGS</b>												
0=INSIGNIFICANT, 1=SLIGHT 2=MODERATE, 3=HIGH 4=EXTREME	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;"><b>HEALTH:</b></td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;"><b>1</b></td> </tr> <tr> <td style="padding: 5px;"><b>FLAMMABILITY:</b></td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;"><b>2</b></td> </tr> <tr> <td style="padding: 5px;"><b>PHYSICAL HAZARD:</b></td> <td style="padding: 5px;"></td> <td style="padding: 5px; text-align: center;"><b>0</b></td> </tr> </table>			<b>HEALTH:</b>		<b>1</b>	<b>FLAMMABILITY:</b>		<b>2</b>	<b>PHYSICAL HAZARD:</b>		<b>0</b>
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<b>FLAMMABILITY:</b>		<b>2</b>										
<b>PHYSICAL HAZARD:</b>		<b>0</b>										
<b>REQUIRED PERSONAL PROTECTIVE EQUIPMENT:</b>												
<b>HMIS PERSONAL PROTECTIVE EQUIPMENT LETTER CODE:</b>  <b>A</b>		<span style="color: red; font-weight: bold;">Glasses should be worn to prevent mist/spray/vapor contact with eyes.</span>										
<b>RISK PHRASES</b>												
R11 Highly flammable. R22 Harmful if swallowed. R36 Irritating to eyes. R67 Vapors may cause drowsiness and dizziness.												
<b>SAFETY PHRASES</b>												
S2 Keep out of the reach of children. S7: Keep container tightly closed S16: Keep away from sources of ignition - No smoking S23: Do not breathe fumes/vapor. S25 Avoid contact with eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S46 If swallowed, seek medical advice immediately and show this container or label.												

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## SECTION 2 - HAZARDS IDENTIFICATION (Continued)

### POTENTIAL HEALTH EFFECTS

**INHALATION:**

High concentrations of vapors or mists may cause irritation of the respiratory tract. Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness, or death from asphyxiation, depending upon concentration and period of exposure.

**SKIN:**

May cause mild skin irritation. Prolonged or repeated contact may cause redness and drying or cracking of skin.

**EYES:**

May cause mild eye irritation. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing and redness.

**INGESTION:**

May cause irritation of the gastrointestinal tract with nausea, vomiting, and diarrhea.

**CARCINOGENICITY:**

ACGIH? **Yes CAS#11-76-2 (2-butoxyethanol) = A3 Animal Carcinogen with unknown relevance to humans.**

IARC MONOGRAPHS? **Yes - CAS#11-76-2 (2-butoxyethanol) Group 3 not classifiable.**      OSHA REGULATED **NO**

CALIFORNIA, Prop.65? **NO**      NTP? **NO**      ESIS NOTATION? **NO**

## SECTION 3 - HAZARDOUS INGREDIENTS

Hazardous Components	%(by Weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES (For Full Text See Section 2)
<b>Isopropyl Alcohol</b>	<b>18-23</b>	<b>67-63-0</b>	<b>200-661-7</b>	<b>+F, Xi</b>	<b>R11,R36,R67</b>
<b>2-Butoxyethanol</b>	<b>&lt;4%</b>	<b>111-76-2</b>	<b>203-905-0</b>	<b>Xn</b>	<b>R20/21/22, R36/38</b>

**NOTES:** This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Directive 1907/2006 (REACH). Hazard symbols and risk phrases are based on maximum listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS) or the European (GHS) directive 1907/2006 and are considered trade secrets under US Federal Law (29CFR and 40CFR), Canadian Law (Health Canada Legislation), and European Union Directive 67/548/EEC.

## SECTION 4 - FIRST AID MEASURES

**INHALATION:**

Remove to fresh air and apply artificial respiration if breathing has stopped. Consult a physician immediately.

**EYES:**

Remove contact lenses. Flush eyes well with clean potable water for at least 15 minutes. Consult a physician if irritation persists.

**SKIN:**

Wash with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

**INGESTION:**

Do not induce vomiting! Give 1 or 2 glasses of water to drink. Consult a physician or poison control center immediately. Treatment is dependent on amount ingested and the condition of the patient.

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### SECTION 5 - FIRE FIGHTING MEASURES

**GENERAL HAZARDS:**  
**Flammable liquid! Flash Point = 87°F.** Products of combustion include compounds of carbon, hydrogen and oxygen. Vapors may travel a considerable distance to a source of ignition and flash back. **Keep away from sources of heat or open flames.**

**EXTINGUISHING MEDIA:**  
 Carbon dioxide, dry chemical, foam, fine water fog or spray.

**FIRE FIGHTING PROCEDURES:**  
 Firefighters must wear full facepiece self - contained breathing apparatus in positive pressure mode in enclosed areas. Fine water spray or fog should be used to keep fire - exposed containers cool.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
 Closed containers can rupture due to buildup of pressure when exposed to extreme heat and add contents to fire. Avoid possible ruptures of containers. Do not store where temperatures exceed 120° F (49°C). Do not incinerate waste containers

**HAZARDOUS COMBUSTION PRODUCTS:**  
 Incomplete combustion may produce Carbon Monoxide, and Carbon Dioxide.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**  
 Eliminate all sources of ignition from area; ventilate area. For small spills, wipe up with paper towel, then rinse area with water. For large spills, use absorbent material such as clay. Treat absorbed product as flammable.

### SECTION 7 - HANDLING AND STORAGE

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**  
 Do not store at temperatures above 120° F (49°C). Store away from fire, sparks , flame or other sources of ignition. Store in a cool, well-ventilated place. Do not smoke while using this product. Use only in accordance with directions. Keep out of the reach of children.

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Isopropyl Alcohol	400	980	2000 IDLH	1225	200	NE	400	980
2-Butoxyethanol	5	24	700 IDLH	NE	20	NE	50	240

**See Sections 2, 3, 11 and 15 for additional information concerning health and exposure effects.**

#### **PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**  
 Not normally required for routine use. If TLV is exceeded wear NIOSH or European EN149 approved respirator suitable for organic vapors removal. Provide adequate area ventilation during use.

**PROTECTIVE GLOVES:**  
 Use solvent resistant gloves for prolonged use. Gloves not required during normal use.

**EYE PROTECTION:**  
 Safety glasses or chemically protective goggles required during use.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**  
 Not required.

**WORK / HYGIENIC PRACTICES:**  
 Observe standard industrial hygiene practices during use, do not eat, drink, smoke during use. Wash hands with soap and water before eating drinking or smoking.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE AND ODOR</b> Clear solution with slight alcohol odor.	<b>VAPOR PRESSURE</b> 0.2-4.7 mm Hg
<b>pH</b> NA	<b>SPECIFIC GRAVITY (WATER = 1)</b> 0.95
<b>BOILING POINT</b> 87 °C (189 °F)	<b>FREEZING POINT</b> -10 °C (14 °F)
<b>FLASH POINT</b> 30.5 °C (87 °F)	<b>SOLUBILITY IN WATER</b> Soluble
<b>FLAMMABLE LIMITS</b> LEL: NA      UEL: NA	<b>VAPOR DENSITY (AIR = 1)</b> >1
<b>AUTOIGNITION TEMPERATURE</b> NA	<b>EVAPORATION RATE (WATER = 1)</b> ~1
<b>VOLATILE ORGANIC COMPOUND (VOC) INFORMATION</b> >20%	

## SECTION 10 - STABILITY AND REACTIVITY

<b>STABILITY</b> Product is stable under normal conditions of use.	<b>CONDITIONS TO AVOID:</b> Do not use near heat, sparks, open flames or other sources of ignition.
<b>INCOMPATIBILITY (MATERIALS TO AVOID):</b> Avoid contact with strong oxidizers and acids.	
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> Carbon Monoxide, Carbon Dioxide.	
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur.	<b>CONDITIONS TO AVOID:</b> None related to polymerization.

## SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Isopropyl Alcohol	67-63-0	Oral Rat LD50 = 4396 mg/kg	LC50 Inhalation Rat = 72.6 mg/L /4 h
	200-661-7		
2-Butoxyethanol*	111-76-2	Oral Rat LD50= 470mg/kg ** Oral Mouse LD50=1167mg/kg	LC50 Inhalation Rat = 450ppm/4hr.
	203-905-0		

**\*2-Butoxyethanol** -ACGIH: A3-Confirmed Animal Carcinogen with Unknown Relevance to Humans. IARC: Group 3 not classifiable.

**\*\*Other:** Humans are less susceptible than rodents to 2-Butoxyethanol exposure. 2-butoxyethanol gives toxic results when tested on rabbits and rats. It does not behave the same when humans are exposed to it. This is explained by the different makeup of the red blood cells of test animals vs. humans. Test animal red blood cells are hypersensitive to 2-butoxyethanol compared to humans.

## SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:**  
 Dispose of in accordance with Local, State, and Federal Regulations. If recycling is not available, discard in trash. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

## SECTION 14 - TRANSPORT INFORMATION

**PROPER SHIPPING NAME:** **None (USA Ground), Consumer Quantity (Air - see IATA), UN8000, Isopropanol Solution (Bulk and Ocean), UN 1219**

**DOT HAZARD CLASS / Pack Group:** **Not Regulated except in bulk - Department of Transportation (49 CFR 173.150e) transport and handling exemption applies - Ground Only within the USA.**

**IATA HAZARD CLASS / Pack Group:** **Class 9, Consumer Commodity , ID 8000/ PG II - up to 66 lbs. (30 kg) per package. Consult with carrier to determine proper classification and best practices for shipments by air.**

**REFERENCE:** 49CFR170-177

**IMDG HAZARD CLASS:**  
**3 / PG III (Assumes Bulk Shipment)**

**UN / NA IDENTIFICATION NUMBER:**  
**8000(Air), 1219(Sea and Bulk)**

**RID/ADR Dangerous Goods Code:** 3/3b

**LABEL:** **Flammable (Bulk or Sea), Misc. (Air)**

**UN TDG Class / Pack Group:** **3 / PG III (Bulk shipping)**

**HAZARD SYMBOLS:**



**Hazard Identification Number (HIN):** **30 (Flammable)**

Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

## SECTION 15 - REGULATORY INFORMATION

**TSCA (USA - Toxic Substance Control Act):** **Components are listed under Section 8(b).**

**SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):**

Acute Health: <b>YES</b>	Chronic Health: <b>NO</b>
Fire: <b>YES</b>	Sudden Release of Pressure: <b>NO</b>
Reactive: <b>NO</b>	

**SARA 313 REPORTABLE INGREDIENTS:** **2-Butoxyethanol (CAS #111-76-2) - reportable as glycol ether. Isopropyl Alcohol (CAS #67-63-0) - reportable as Isopropanol.**

**CERCLA (USA - Comprehensive Response Compensation and Liability Act):** **Not reportable.**

**California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:** **No components are listed.**

**STATE RIGHT-TO-KNOW LISTS:** **2-Butoxyethanol, CAS#111-76-2, can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts. Isopropyl alcohol, CAS# 67-63-0, is listed on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Minnesota & Massachusetts.**

**CPR (Canadian Controlled Products Regulations):**

**WHMIS Classifications:** **B2 - Flammable Liquid, D2B - Material Causing Other Toxic Effects.**

**IDL (Canadian Ingredient Disclosure List):** **No components are listed on the CIDL.**

**DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):** **Listed on DSL.**

**EINECS (European Inventory of Existing Commercial Chemical Substances):** **Listed in ESIS/EINECS.**

**WGK Water Quality Index:** **2**

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**PRODUCT NAME:** Wahl Clini-Clip  
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## SECTION 16 - OTHER INFORMATION

### Legend:

**ACGIH** - American Congress of Government Industrial Hygienists  
**CAS** - Chemical Abstracts Service  
**EINECS** - European Inventory of Existing Commercial Chemical Substances  
**HMIS** - Hazardous Materials Identification System  
**IARC** - International Agency for Research on Cancer  
**NA** - Not Available      **ND** - Not Determined  
**NE** - Not Established      **NR** - Not Reported  
**NIOSH** - National Institute for Occupational Safety and Health  
**NTP** - National Toxicology Program  
**OSHA** - Occupational Safety and Health Administration

### REVISION SUMMARY:

Revised to US/Canada/EU/GHS Standards 8 January 2010- replaces March 2005 edition. - LB-

### MSDS Prepared by:

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.