

**MATERIAL SAFETY DATA SHEET
(MSDS) Updated: March 2005**

Wahl Clini-Clip

1 – Identification

Produced for: Wahl Clipper Corporation
2900 Locust Street
Sterling, IL 81081
815-625-6560

Emergency Number (24 hours)

United States, Canada, Puerto Rico, U.S Virgin Islands
1-800-255-3924
International Calls: (813) 977-3668

2 – Composition

Hazardous Ingredients:	OSHA PEL	ACGIH TLV	LIMIT	%
Isopropanol - CAS # 67-63-0	400 ppm	980mg/m3	N/A	21.0
Ethylene Glycol - CAS # 111-76-2 Monobutyl Ether	25ppm	25ppm	N/A	-

3 - Physical and Chemical Properties

Boiling Point: 87°C **Specific Gravity** (H2O=1.0) : 0.95 to 0.97
Vapor Pressure (mm Hg) : 0.2-4.7 **Vapor Density** (Air = 1) : +1
Evaporation Rate : Similar to water **Solubility in Water** : Complete
Freezing point : -10C **Appearance and Odor** :Slight alcohol fragrance. Clear in color.

4 - Fire and Explosion Hazard Data

Flash Point : 87 degrees F. Closed cup **Flammable Limits** : None
Extinguishing Media : Alcohol foam, CO2, dry chemical **Special Fire Fighting Procedures** : NIOSH for alcohol fires **Unusual fire or explosion hazards** : Vapors may be heavier than air. Keep away from open flame

Refer to section 10 for specific storage, handling and transportation exemption per Code of Federal Regulations as an "Aqueous" solution

5 – Reactivity Data

Solution : Stable **Conditions to Avoid** : Extreme heat or open flame
Incompatibility : Concentrated acids **Hazardous Polymerization** : Will not occur
Hazardous Decomposition or by-products: Oxides of carbon upon combustion.

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6 - Health Hazard Data

Routes of Entry: **Eyes** : May cause some slight reversible eye irritation with direct contact. **Inhalation** : Prolonged, contained exposure to alcohol vapors may cause light-headedness and /or irritation to nose and throat **Gastric**: May cause some gastric distress **Skin**: May produce some slight redness or irritation although unlikely

Carcinogenicity : NTP : No **LARC Monographs** : No
OSHA 29 CFR 1910 Regulated : No

7 - Emergency First Aid Procedures

Skin : If irritated, flush with water. If irritation persists, seek medical attention.
Eyes: Flush with water. If irritation persists, seek medical attention. **Ingestion**: Seek medical attention. Drink water or milk. Induce vomiting.
Inhalation of liquid: Remove to fresh air. Seek medical assistance.

8 - Precautions for Safe Handling and Use

Spilled material : Flush to sanitary sewer system using plain water.
Waste Disposal Method : Ordinary waste system

9 – Control Measures

Respiratory Protection: N/A **Local Exhaust** : N/A **Mechanical** : Usual
Protective Gloves and/or clothing : N/A **Eye Protection**: Avoid direct contact with eyes.

10 – Transportation and Storage : Department of Transportation (49 CFR 173.115b) transport and handling exemption applies. “Alcohol containing solutions containing 24 percent or less alcohol by volume and which consists of no less than 50 percent water are exempt from the classification as flammable”

11 – Special Information (Hazard Index: 4- Severe, 3-Serious 2- Moderate, 1- Slight, 0 –Minimal)

Ratings: HMIS : Health -1
DOT , EPA - 0
Reactivity -0