

Micel, Inc. 1240 N. Knollwood Circle Anaheim, CA 92801

MATERIAL SAFETY DATA SHEET

N.F.P.A. Rating: Health (1), Flammability (0), Reactivity (0)

I. PRODUCT IDENTIFICATION

Trade name (as labeled): INFINITY 2000 AIR WETTER

Chemical names, common names: Wetting Agent for Nickel Plating Bath

Manufacturer's name: MICEL, INCORPORATED

Address: 1240 N. KNOLLWOOD CIRCLE ANAHEIM, CA 92801

Emergency phone: 1-800-424-9300

Name of preparer*: Technical Dept.

Business phone: 714/995-3300

Date prepared: July 24, 1997

II. HAZARDOUS INGREDIENTS

<u>Chemical Names</u>	<u>CAS Numbers</u>	<u>Percent*</u>	<u>Exposure Limits in Air</u>
		<u>ACGIH(TLV)</u>	<u>OSHA(PEL)</u> <u>OTHER</u>

None.

III. PHYSICAL PROPERTIES

Vapor density (air=1): Heavier than air Melting point or range, F: N/D

Specific gravity: 1.019 Boiling point or range, F: N/D

Solubility in water: Complete.

Vapor pressure, mmHg at 20 deg C: N/D

Evaporation rate (butyl acetate=1): Slower than ether

Appearance and odor: Clear liquid with slight alcohol odor.

HOW TO DETECT THIS SUBSTANCE* (warning properties of substance as a gas, vapor, dust, or mist): N/D

IV. FIRE AND EXPLOSION

Flash Point, F (give method): N/A

Autoignition temperature, F: N/A

Flammable limits in air, volume %: lower N/A upper N/A

Fire extinguishing materials:

water spray carbon dioxide other:

foam dry chemical

Special fire fighting procedures: None.

Unusual fire and explosion hazards: None.

V. HEALTH AND HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: None.

Contact with skin or eyes: Mild irritant

Absorbed through skin: Mild irritant.

Swallowed: Industrial chemicals are never to be taken internally. May cause nausea, vomiting, and abdominal pain.

Acute: N/D

Chronic: N/D

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush with clean water for 15 minutes. Contact a Physician. washing eyes within 1 minute after contact is essential to achieve maximum effectiveness.

Skin Contact: Wash with soap and water.

Inhaled: Remove victim to fresh air.

Swallowed: Do Not induce vomiting. Give large quantities of milk and/or water. Seek medical attention.

NOTE: The above applies to contact with to contact with Infinity Air Wetter, itself, not the operating solutions in which it is used, which typically contain soluble nickel salts in a slightly acidic solution. In the case of contact with the operating solution, follow treatment methods applicable for exposure to slightly acidic solutions of soluble nickel salts.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below.

YES: Federal OSHA NTP IARC Cal/OSHA (see note)*

NOTE: California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/D

RECOMMENDATIONS TO PHYSICIAN: N/D

VI. REACTIVITY DATA

Stability: Stable Unstable

Conditions to avoid: Keep containers closed when not in use. Do not store in areas subject to extremely low temperatures as product can freeze. If this occurs, remove to warm area and thaw. Mix well prior to use to insure uniform composition of product.

Incompatibility (materials to avoid): None.

Hazardous decomposition products (including combustion products):
None.

Hazardous polymerization: May occur Will not occur
Conditions to avoid:

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures):
Stop leaks. Contain spill. Flush to sewer with water.

Preparing wastes for disposal (container types, neutralization, etc.):
Dispose of in accordance with Federal, State, and Local regulations.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls: Mechanical ventilation recommended.

Respiratory protection: Use NIOSH approved respiratory equipment for dust and mists.

Eye protection (Type): Safety glasses.

Glove (specify material): Rubber.

Other clothing and equipment: Safety showers and eye wash stations should be near handling areas.

Work practices, hygienic practices: N/D

Other handling and storage requirements: N/D

Keep containers closed when not in use. Do not store in areas subject to extremely low temperatures as product can freeze. If this occurs, remove to warm area and thaw. Mix well prior to use to insure uniform composition of product.

Protective measures during maintenance of contaminated equipment:

Infinity Air Wetter is used in conjunction with solutions containing soluble nickel salts. these solutions are operated at elevated temperatures, and frequently require handling concentrated mineral acids. When working with, or near, operating solutions, exercise normal cautions to be used when exposed to solutions of this type.

IX. LABELING

Labeling (precautionary statements)*:

D.O.T. Label*: Not Regulated.

*Not required. Space has been provided on this form for optional use

MSDS\INFINITY 2000 AIR WETTER