

CN10500

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

MATERIAL SAFETY DATA SHEET

N.F.P.A. Rating: Health (3), Flammability (0), Reactivity (1)

I. PRODUCT IDENTIFICATION

Trade name (as labeled): INFINITY 2500 PLUS BRIGHTENER

Chemical names, common names: Nickel Plating Bath Additive

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

Chemical Names	CAS Numbers	Percent*	Exposure Limits in Air	
			ACGIH (TLV)	OSHA (PEL) OTHER
Sodium Saccharin	128-44-9	>10%		Not listed.

III. PHYSICAL PROPERTIES

Vapor density (air=1): >1.0

Melting point or range, F: N/D

Specific gravity: 1.042

Boiling point or range, F: N/D

Solubility in water: 100%

Vapor pressure, mmHg at 20°C: N/D

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

Appearance and odor: Clear odorless liquid with garlic odor.

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

IV. FIRE AND EXPLOSION

Flash Point (give method): Not flammable.

Auto ignition temperature, F: Not flammable.

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

Fire extinguishing materials:

X water spray carbon dioxide other:

foam dry chemical

Special fire fighting procedures: None.

Unusual fire and explosion hazards: Product is non-flammable as supplied.

V. HEALTH AND HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Irritation of mucous membranes.

Contact with skin or eyes: Slightly irritating to skin and eyes.

Absorbed through skin: A single prolonged skin exposure is not likely to result in absorption of harmful amounts.

Swallowed: Irritation of mucous membranes.

Acute: Mild irritation of skin and eyes.

Chronic: None.

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush with clean water for 15 minutes. Contact a physician. Washing eyes within one minute after exposure is essential to achieve maximum effectiveness.

Skin Contact: Wash affected skin with soap and water and seek medical attention.

Inhaled: Remove to fresh air. If irritation persists seek medical attention.

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

SUSPECTED CANCER AGENT?

X 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: None established.

RECOMMENDATIONS TO PHYSICIAN: None.

VI. REACTIVITY DATA

Stability: Stable Unstable

Conditions to avoid: None.

Incompatibility (materials to avoid): None.

Hazardous decomposition products (including combustion products): None.

Hazardous polymerization: May occur Will not occur
Conditions to avoid: None.

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures):

Small spill: Stop at source, contain and flush to sewer with water.

Large spill: Stop at source, contain, remove as much as possible for routine use, and flush with water.

Preparing wastes for disposal (container types, neutralization, etc.):

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 respirator equipment for dust and mists.

Eye protection (Type): Face shield.

Glove (specify material): Rubber gloves.

Other clothing and equipment: Rubber apron. Safety shower and eyewash stations should be near handling area.

Work practices, hygienic practices: This product 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.

Other handling and storage requirements: Keep containers closed when not in use. Do not store in areas subject to extremely low temperatures as product may freeze.

Protective measures during maintenance of contaminated equipment: None.

IX. LABELING

Labeling (precautionary statements)*:

D.O.T. Label*:

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

MEDS\Infinity 2500 BRIGHTENER