

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): **CHEMCEL 403 ALUMINUM BRIGHT DIP**

Chemical names, common names:

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: August 14, 2004

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>
Acetic Acid	64-19-7	<15%	ACGIH 25 mg/m ³	OSHA 10 ppm	
Nitric Acid	7697-37-2	<5%	5 mg/m ³		
Phosphoric Acid	7664-38-2	<75%	ACGIH 1 mg/m ³	OSHA 1 mg/m ³	

III. PHYSICAL PROPERTIES

Vapor density (air=1): N/D

Melting point or range, F: N/D

Specific gravity: 1.55

Boiling point or range, F: 212°F

Solubility in water: Complete.

Vapor pressure, mmHg at 20°C: N/D

Evaporation rate (butyl acetate=1): N/D

Appearance and odor: Clear liquid with sharp acidic

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

IV. FIRE AND EXPLOSION

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

Auto-ignition temperature, F: N/A

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: None.

V. HEALTH AND HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: N/D

Contact with skin or eyes: Eye: May cause burns and possible blindness. Skin: May cause ulcerations and burns.

Absorbed through skin: Corrosive to human tissue.

Swallowed: May cause burn to mouth, throat, esophagus, and stomach.

Acute: N/D

Chronic: N/D

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: Flush eyes with water for at least 15 minutes.

Skin Contact: Wash area thoroughly with water, remove contaminated clothing.

Inhaled: Remove person to fresh air.

Swallowed: Give large amounts of water.

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.

RECOMMENDATIONS TO PHYSICIAN: None.

VI. REACTIVITY DATA

Stability: X Stable Unstable

Conditions to avoid: None.

Incompatibility (materials to avoid): This product is incompatible with cyanides. Keep away from all sources of contamination by insuring separate storage.

Hazardous decomposition products (including combustion products): Toxic gas upon heating.

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

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures):
Neutralize with lime or soda ash, apply absorbent compound and dispose.

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: Local exhaust.

Respiratory protection: Acid mist type.

Eye protection (Type): Splash goggles.
Glove (specify material): Rubber gloves.
Other clothing and equipment: Rubber apron, boots.

Work practices, hygienic practices: Wash thoroughly after handling. Wash contaminated clothing before reuse.

Other handling and storage requirements: Keep away from heat and flame.

Protective measures during maintenance of contaminated equipment:
None.

IX. LABELING

Labeling (precautionary statements)*:

D.O.T. Label*:
CORROSIVE LIQUID, n.o.s., (contains Acetic Acid, Phosphoric Acids), 8, UN1760, PGII

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

MSDS\Chemcel 403