

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

MATERIAL SAFETY DATA SHEET

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

I. PRODUCT IDENTIFICATION

Trade name (as labeled): **CHEMCEL ANOSEAL 400**

Chemical names, common names: Nickel acetate mixture.

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: March 1, 1995

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> |
| Nickel acetate | 373-02-4 | <20% | 0.1 mg/m ³ | 1.0 mg/m ³ as Ni | (1) as Ni |

(1) This chemical is subject to the reporting requirements of Section 313 of SARA title III.

III. PHYSICAL PROPERTIES

Vapor density (air=1): N/D Melting point or range, F: Decomposes.
Specific gravity: 1.74 Boiling point or range, F: 250°C (decomposes)
Solubility in water: Sol. in H₂O and alcohol.
Vapor pressure, mmHg at 20°C: N/D
Evaporation rate (butyl acetate=1): N/D
Appearance and odor: Green crystals; acetic acid odor.

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: N/A
 water spray carbon dioxide other:
 foam dry chemical

Special fire fighting procedures: Not a fire hazard.

Unusual fire and explosion hazards: None.

V. HEALTH AND HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: Causes upper respiratory irritation. Individuals hypersensitive to nickel may develop asthma, bronchitis, shortness of breath, wheezing.

Contact with skin or eyes: Eyes: Causes irritation. Skin: Causes irritation and sensitization or allergic skin reactions which may be accentuated by heat and humidity.

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

Swallowed: May cause irritation to mucous membranes.

Acute: Irritation to membranes of upper respiratory tract and mouth. Skin and eye irritation.

Chronic: Long term exposure may produce asthma, bronchitis, wheezing, shortness of breath, skin or eye irritation. Some soluble nickel compounds are considered to be cancer causing.

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: In case of contact, immediately flush with water for at least 15 minutes. Call a physician.

Skin Contact: In case of contact, immediately flush with water for at least 15 minutes.

Inhaled: Remove to fresh air; if breathing is difficult, give oxygen. If not breathing, give artificial respiration and call a physician.

Swallowed: Never give anything by mouth to an unconscious person. Have conscious patient drink several glasses of water then induce vomiting. Keep air way clear. Seek medical attention immediately.

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: Exposure sensitization may aggravate allergies or asthma.

RECOMMENDATIONS TO PHYSICIAN: None.

VI. REACTIVITY DATA

Stability: Stable Unstable

Conditions to avoid: None expected.

Incompatibility (materials to avoid): None expected.

Hazardous decomposition products (including combustion products): None expected.

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

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures):

If not contaminated, scoop up for reuse. If contaminated, scoop or vacuum into container for disposal. Avoid dusting.

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 ventilation to control any dusting.

Respiratory protection: NIOSH approved respirator, if necessary.

Eye protection (Type): Chemical goggles.

Glove (specify material): Rubber gloves.

Other clothing and equipment: Long sleeved shirt to reduce Exposure.

Work practices, hygienic practices: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash after handling. use only with adequate ventilation.

Other handling and storage requirements: None.

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

MSDS\CHEMCEL ANOSEAL 400