

# MICRO • CHEM

1254 Chestnut Street  
Newton, MA 02464-1418  
Tel: (617) 965-5511  
Fax: (617) 965-5818

## MATERIAL SAFETY DATA SHEET

PAGE 1  
12 April 2001

### SECTION 1. CHEMICAL IDENTIFICATION

CHEMICAL NAME: Anisole  
TRADE NAME: NANO™ A Thinner  
PRODUCT #: Positive Radiation Resist Thinner  
M030100

### SECTION 2. COMPOSITION

HAZARDOUS  
INGREDIENTS: Anisole (CAS: 100-66-3); 99+%

### SECTION 3. HAZARD DATA

INFLAMMABILITY: Flammable liquid.  
SKIN CONTACT: May cause skin irritation.  
EYE CONTACT: Vapor or mist is irritating to the eyes.  
INGESTION: May be harmful if swallowed.  
INHALATION: Irritating to mucous membranes and upper respiratory tract.  
MUTAGENICITY: Not known to be mutagenic.  
CARCINOGENICITY: Not considered carcinogenic by NTP, IARC and OSHA  
TARGET ORGANS: Eyes, Respiratory Tract

### SECTION 4. FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. If patient has stopped breathing, give artificial respiration. If breathing is difficult give oxygen. Contact physician immediately.  
INGESTION: Wash out mouth with water if conscious. Give two glasses of water and induce vomiting. Get medical attention immediately.  
SKIN CONTACT: Rinse with water for 15 minutes while removing contaminated clothing and shoes. Wash affected area with soap and water. Wash contaminated clothing.  
EYE CONTACT: Rinse immediately with water, flush for 15 min. lifting eyelids frequently. Get emergency medical assistance.

NOTE TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

## MATERIAL SAFETY DATA SHEET

PAGE 2  
12 April 2001

CHEMICAL NAME: Organic Solvent Mixture  
TRADE NAME: NANO™ A Thinner  
Positive Radiation Thinner  
PRODUCT #: M030100

### SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, and foam.  
SPECIAL FIRE FIGHTING PRECAUTIONS: Wear self-contained breathing apparatus (SCBA) and personal protective equipment to prevent contact with skin and eyes.  
UNUSUAL FIRE OR EXPLOSION HAZARDS: Vapor may travel considerable distance to source of ignition and flash back. Heat will build pressure and may rupture closed containers. Keep containers cool with water spray.

### SECTION 6. ACCIDENTAL RELEASE PROCEDURES

Evacuate Area.  
Eliminate all ignition sources.  
Wear self-contained breathing apparatus (SCBA), rubber boots, and heavy rubber gloves. Avoid eye or skin contact. Cover with dry absorbent material and collect in closed container for disposal using non-sparking tools. Ventilate area and wash spill sites after material pickup is complete, rinse with water. All clean up should be carried out in accordance with federal, state, and local regulations. If required proper authorities should be notified.

### SECTION 7. STORAGE AND HANDLING PRECAUTIONS

STORAGE: Store in tightly closed container in a cool environment away from direct sunlight.  
HANDLING: Highly flammable. Keep away from heat, sparks, and flames.  
Take precautions against static discharge.  
Do not breathe vapors.  
Use only with mechanical exhaust.  
Do not contact with skin, eyes, and clothing.  
Avoid prolonged or repeated exposure.  
Wear heavy rubber gloves.  
Wash with soap and water after handling.  
Have safety shower and eye wash available.

### SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: In case of spills, use of self-contained breathing apparatus (SCBA) is recommended.  
VENTILATION: Local or general mechanical ventilation is required.  
SKIN PROTECTION: Heavy rubber gloves are highly recommended.  
EYE PROTECTION: Safety goggles are highly recommended.



12 April 2001

CHEMICAL NAME: Organic Solvent Mixture  
TRADE NAME: NANO™ A Thinner  
Positive Radiation Thinner  
PRODUCT #: M030100

---

SECTION 9. PHYSICAL AND CHEMICAL DATA

---

APPEARANCE: Colorless to pale yellow liquid  
ODOR: Aromatic  
BOILING POINT: 154 °C (307 °F)  
SPECIFIC GRAVITY: 0.995  
VAPOR PRESSURE: 10 mm @ 42 °C (108 °F)  
VAPOR DENSITY: 3.7 (air=1)  
H<sub>2</sub>O SOLUBILITY: 0.2% @ 20 °C, by wt.  
% VOLATILES: 100% by wt  
EVAPORATION RATE: 0.6 (BuAc=1)  
FLASH POINT: 52 °C (125 °F) TCC  
AUTOIGNITION TEMP: 475 °C (887 °F)  
EXPLOSION LIMITS: unk. lower  
unk. upper

---

SECTION 10. REACTIVITY DATA

---

STABILITY: Stable  
INCOMPATIBILITY: Strong Oxidizing Agents, Strong Bases  
HAZARDOUS POLYMERIZATION: Will not occur  
HAZARDOUS COMBUSTION OR  
DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

---

SECTION 11. TOXICITY HAZARDS

---

ACUTE EFFECTS:

May be harmful if swallowed, inhaled, or absorbed through the skin.  
Irritating to eyes and respiratory tract. May cause serious damage to the eyes.  
Vapor or mist is irritating to the eyes, mucous membranes and upper respiratory tract.  
Eye and skin contact can cause headache, nausea, vomiting, dizziness, weakness, drowsiness, narcosis, and loss of coordination in humans.  
Causes moderate skin irritation in rabbits.  
Prolonged and/or repeated exposure can cause absorption of harmful amounts of material.

ORAL: LD50 (rat): 3700 mg/kg  
LD50 (rabbit) 2800 mg/kg

IRRITATION: skin: 500 mg mild  
eyes: 100 mg severe

TLV: ACGIH(TWA) none established  
PEL: OSHA (8hr TWA) none established

---

MicroChem Corp. 1254 Chestnut Street•Newton, MA 02464-1418•Tel:(617)965-5511•Fax:(617)965-5818

## MATERIAL SAFETY DATA SHEET

PAGE 4  
12 April 2001

CHEMICAL NAME: Organic Solvent Mixture  
TRADE NAME: NANO™ A Thinner  
Positive Radiation Thinner  
PRODUCT #: M030100

### SECTION 12. ECOLOGICAL DATA-----

No data available at this time

### SECTION 13. DISPOSAL CONSIDERATIONS-----

Burn in an EPA-licensed chemical incinerator equipped with an afterburner and scrubber at an approved waste disposal facility. Observe all federal, state, and local environmental regulations.

### SECTION 14. TRANSPORTATION INFORMATION-----

HAZARD CLASSIFICATION: Flammable Liquid  
SHIPPING NAME: Anisole  
UN NUMBER: UN 2222  
PACKING GROUP: III

### SECTION 15. REGULATORY INFORMATION-----

HAZARDOUS LISTINGS: All ingredients appear on the TSCA Inventory of Chemical Substances, EINECS, and the Japan Hazardous Chemical Listing.  
SARA Title III: This product IS NOT subject to SARA Title III, Section 313 Reporting Requirements.  
Calif. SCAQMD Rule 443.1 VOC's: 995 g/l; vapor pressure 1.0 mm Hg @ 20 °C

### SECTION 16. ADDITIONAL PRECAUTIONS AND COMMENTS-----

To the best of our knowledge, the above information is believed to be accurate but does not claim to be all-inclusive and is intended to be used only as a guide. The supplier makes no warranty of any kind, expressed or implied, concerning the use of this product and shall not be held liable for any damage resulting from handling or from contact with the above product. User assumes all risks incident to its use.