



AIR TECHNIQUES

11403 Cronridge Drive
Owings Mills, Maryland
21117-2247

*Design and Manufacture of
Custom and Standard Test
Equipment for HEPA Filters,
Respiratory Protection and
NBC Defense*

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ATI PAO-4 MSDS

Section I – Chemical Product and Company Information

Product Name: ATI PAO-4
Preparation Date: 11/21/00

Air Techniques International
Revision Date: 7/11/2002

Address: 11403 Cronridge Drive
Owings Mills, MD 21117-2247
Telephone: (410) 363-9696

Emergency Telephone Number: Chemtrec 1-800-424-9300

Section II – Composition Information

Chemical	CAS Number	Concentration	Exposure Limits
1-Decene, tetramer mixed with 1- decene	68649-12-7	100%	None Established

Section III - Hazardous Ingredients/Identity Information

None

Section IV - Physical/Chemical Characteristics

Boiling Point: 754°F
Specific Gravity: 0.819 @ 60°F
Vapor Pressure @ 20°C: N/A
Vapor Density: N/A
Solubility in Water: Insoluble

Appearance and Odor: Colorless,
Odorless Liquid
Freezing Point: N/A
pH @ 5%: N/A

Section V - Fire & Explosion Data

Flash Point: 432°F

Method Used: Cleveland open cup

Flammable Limits in air % by volume: N/A

Auto-Ignition Temp;

UEL: N/A

LEL: N/A

Extinguisher Media: Carbon dioxide, Dry chemical, Foam, Water spray

Special Firefighting Procedures: Use water spray, dry chemical, foam or carbon dioxide. Water may be ineffective but should be used to keep fire-exposed containers cool. If a spill or a leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire.

Unusual Fire and Explosion Hazards: Perform only those firefighting procedures for which you have been trained. Firefighters should wear self contained breathing apparatus in the positive pressure mode with a full face piece where there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

National Fire Protection Association (NFPA):

Health - 1 Flammability - 1 Reactivity - 0 Other - not applicable

Section VI - Physical Hazards (Reactivity Data)

Stability: Stable **X** Unstable

Conditions to Avoid: Contact with heat, sparks, flame and all sources of ignition.

Incompatibility: Strong acids, bases and oxidizing agents.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide

Hazardous Polymerization: May occur Will not occur **X**

Section VII - Health Hazards

Signs and Symptoms of Exposure

Eyes: This material is not classified as an eye irritant.

Skin Absorption: No acute effects known.

Skin Contact: This material is not classified as a skin irritant.

Inhalation: This material is not considered to be hazardous under normal conditions of use. Exposure to mist or spray may cause irritation of respiratory passages.

Ingestion: Considered to be non-toxic by animal tests.
Oral LD 50 > 5.0 g/kg (Rat)

Chronic Effects: None known.

Emergency and First Aid Procedures

Eyes: Flush with large amounts of cold water for at least 15 minutes. Do not let victim rub eyes. If irritation develops, contact a physician immediately.

Skin: Wash affected area with soap and water.

Inhalation: If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Contact a physician immediately.

Ingestion: Do not induce vomiting. If victim is conscious and able to swallow, promptly have victim drink water to dilute. Do not give sodium bicarbonate, fruit juices or vinegar. Never give anything by mouth if victim is unconscious or having convulsions. Contact a physician immediately.

Section VIII - Special Precautions/ Spill & Leak Procedures

Handling: No special precautions necessary. Avoid container damage while handling.

Storage: Store in closed containers in a cool, dry well ventilated area. Maintain closure of bungs. Store at temperatures between 40°F and 120°F. Do not reuse container. Avoid container damage while storing.

Spill & Leak Response: Do not allow spilled material to enter sewers or streams. Add dry material to absorb (if large spill, dike to contain). Using recommended protective

equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

Waste Disposal: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.

Section IX - Special Protection Information

Respiratory Protection: Not applicable with adequate ventilation.

Protective Gloves: Wear rubber gloves.

Eye Protection: Safety glasses with side shields or chemical goggles. Do not wear contact lenses.

Other Protective Wear: Wear impervious, protective clothing including rubber safety shoes to avoid skin contact.

Work Practices: Read label for instructions in use of product.

Section X - Toxicological Information

Eye Irritation (Rabbits): Practically non-irritating. Eye irritation score: 2.0 at 1 hour, 2.0 at 24 hours (Scale 0-110)

Skin Irritation (Rabbits): Practically non-irritating. Primary irritation score 1.3 (Scale 0-8)

Dermal Toxicity (Rabbits): LD50 > 5 g/kg Practically non-irritating

Oral Toxicity (Rabbits): LD 50 > 15 g/kg Practically non-irritating

Section XI - Ecological Information

96 Hour LC 50 for Rainbow Trout is > 1,000 mg/liter

48 Hour EC 50 for Daphnia is 190 mg/liter

This material is not expected to be harmful to aquatic organisms.

Section XII - Transport Information

DOT Shipping Name: Not designated as a hazardous material by the Federal DOT

DOT Hazard Class: Not applicable

DOT Identification Number: Not applicable

DOT Packing Group: Not applicable

Section XIII - Additional Regulatory Information

OSHA (Occupational Safety, and Health Administration)
29 CFR 1910.1200 Hazardous Chemical: no

SARA (Superfund Amendment and Reauthorization Act)

Section 311: Hazardous Chemical - no
 Immediate - no
 Delayed - no
 Fire - no
 Sudden Release - no
 Reactive - no

Section 313: Toxic Chemical - no

TSCA (Toxic Substance Control Act)

All of the ingredients in this product are listed on the TSCA Inventory.

California Proposition 65

This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels that would require a warning under the statute.

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