

#### SECTION I - PRODUCT IDENTIFICATION

Trade Name: **Airkap 1**  
Product Class:  
Supplier: **Airtech International, Inc.**

5700 Skylab Road  
Huntington Beach, CA 92647  
Telephone: 714-899-8100  
Fax: 714-899-8179

Emergency Telephone: **800-424-9300**

CERCLA Ratings: Health= Fire= Reactivity= Persistence=  
(scale 0-3)  
NFPA Ratings: Health= Fire= Reactivity=  
(scale 0-4)  
Formula: CAS #:

#### SECTION II - HAZARDOUS INGREDIENTS

**Dimethyl Acetamide 0.5%** CAS #: 127-19-5  
Other contaminants: None

**Exposure limits:** ACGIH/TLV = 10 PPM (skin)  
OSHA/PEL = 10 PPM

#### SECTION III - PHYSICAL DATA

**Description:** Clear amber film, odorless  
**Boiling point:** N/A  
**Vapor Pressure (mm Hg.):** N/A  
**Vapor Density (Air=1):** N/A  
**Specific gravity:** >1.4  
**PH:** N/A  
**Solubility in water:** Insoluble  
**Percent Volatile by Volume:** 0.5% maximum  
**Evaporation Rate (\_\_\_\_\_=1):** N/A

#### SECTION IV - FIRE AND EXPLOSION DATA

**Fire and explosion hazard:** None  
**Flash Point:** N/A  
**Flammable Limits:** N/A  
**Auto ignition temperature:** Non-Flammable  
**LEL:** N/A  
**UEL:** N/A  
**Extinguishing media:** Water, carbon dioxide, foam, dry chemicals  
**Firefighting procedure:** None required  
**Unusual fire and explosion hazards:** Chars but does not burn in air.

#### SECTION V - HEALTH HAZARD DATA

**Carcinogen status:** None  
**Emergency and First Aid Procedure:**  
**In case of inhalation:** Not a probable route of exposure  
**In case of skin contact:** Non-irritating - For prolonged skin contact, wash with soap and water. In case of skin irritation, consult a physician.  
**In case of ingestion:** Not a probable route of exposure  
**In case of eye contact:** Flush eyes with water. Consult a physician.

#### SECTION VI - REACTIVITY DATA

**Stability:** Stable  
**Incompatibilities:** None known  
**Decomposition:** None under normal conditions. At temperatures above 750° F the major off-gases are carbon monoxide and carbon dioxide.

**Polymerization:**

Will not occur

**Conditions to Avoid:**

Temperatures above 750° F without adequate ventilation.

**SECTION VII - SPILL, LEAK, DISPOSAL PROCEDURE**

**Steps to be taken in case material is released or spilled:**

Tapes are solid rolls - pick up and put in box.

**Waste Disposal Method:**

Landfill or incinerate in compliance with Federal, state and local regulations.

**SECTION VIII – SPECIAL PROTECTION INFORMATION**

**Ventilation:**

Local exhaust for operations above 392° F.

**Respiratory Protection:**

Not required

**Clothing:**

Not required

**Gloves:**

Not required

**Eye Protection:**

Not probable route of exposure

**SECTION IX – SPECIAL PRECAUTIONS**

Wash hands after handling material.

Unwinding, winding and passage of tape through and over rollers will tend to generate an electrostatic charge on the web. Static discharge devices should be properly positioned at such points to eliminate the charge and to prevent uncontrolled discharge from the web.

**USER'S RESPONSIBILITY**

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to use this information to develop appropriate work practice guidelines and employee instructional programs for your operation.

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## Data Sheet

## AIRKAP 1

### Polyimide high temperature pressure sensitive tape

#### ■ DESCRIPTION

Airkap 1 is a polyimide pressure sensitive tape coated with a fully cured silicone adhesive for high temperature lay-ups to 750 °F (399 °C). Airkap 1 is used to hold down peel plies, breathers, vacuum bag pleats, thermocouples, etc. on high temperature cures, in an oven or autoclave. Airkap 1 will hold down the exposed edges of Thermalimide bagging film in order to insulate A800-3G high temperature sealant tape.

#### ■ TECHNICAL DATA

Maximum use temperature	750 °F (399 °C)
Carrier type	Polyimide
Adhesive type	Silicone
Color	Amber
Total thickness	0.0025 inch (63 µm)
Film thickness	0.001 inch (25 µm)
Adhesive thickness	0.0015 inch (38 µm)
Adhesion	Low
Elongation at break	50 %
Shelf life	18 months from date of shipment
Storage conditions	72 °F (22 °C)

#### ■ SIZES

Width	Length	Packaging
1 inch (2.54 cm)	36 yards (33 m)	36 rolls per case
2 inches (5.08 cm)	36 yards (33 m)	18 rolls per case

#### ■ NOTES

- > Broken cases available on special order.
- > Other sizes available on special order.

Last updated : 2013-12-10

Catalog position : Pressure sensitive tapes