

SECTION I - PRODUCT IDENTIFICATION

Trade Name: **Ipplon® DP1000**
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**

SECTION II - HAZARDOUS INGREDIENTS

Caprolactam:

CAS#: 105-60-2
TLV (ACGIH): 5 ppm or 1 mg/m³
ACGIH STEL: 10 ppm
Concentration %: <2.5
OSHA PEL: 5 ppm or 1 mg/m³

SECTION III - PHYSICAL DATA

Description: Thin orange film
Solubility: Insoluble
Melting Point: 216°C
Specific Gravity: 1.13 – 1.15
Odor: None

SECTION IV - FIRE AND EXPLOSION DATA

Flash ignition temperature: 400°C Method: ASTM 1929 62

Unusual fire, explosion hazards:

Large molten masses may ignite spontaneously in air. Water quenching of such masses is a good practice.

Hazardous combustion products:

Primarily ammonia and carbon monoxide, small amount of hydrogen cyanide, aldehydes.
Limits (STP): N/A

Special fire-fighting instructions:

No special instructions.

Extinguishing media:

Water, carbon dioxide, foam, dry chemical

Auto-ignition temp:

N/A

SECTION V - HEALTH HAZARD DATA

Carcinogen status: NTP: No IARC: No OSHA: No

EMERGENCY AND FIRST AID PROCEDURE:

In Case of Skin Contact:

Wash skin with soap and plenty of water. If molten polymer contacts skin, cool rapidly with cold water. DO NOT attempt to peel polymer from skin. Obtain medical attention for thermal burn.

In Case of Ingestion:

Not a probable route of exposure.

In Case of Eye Contact:

Not a probable route of exposure.

Ingestion:

Not a probable route of exposure.

SECTION VI - REACTIVITY DATA

Stability:

N/A

Incompatibilities:

Strong acids and oxidizing agents

Hazardous decomposition:

Caprolactam, cyclopentanone, carbon monoxide

Hazardous polymerization:

Will not occur

Conditions to avoid:

Heating above 340°C

SECTION VII - SPILL, LEAK, DISPOSAL PROCEDURE

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

Sweep up to prevent a slipping hazard

Waste disposal:

Landfill or incineration in compliance with federal, state, and local regulations.

Aquatic toxicity:

Toxicity is expected to be low based on insolubility of the polymer in water.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation:

None normally needed.

Respiratory Protection (specify type):

None under normal processing if ventilation is adequate

Gloves:

Protective gloves are required when handling hot polymer.

Eye Protection:

Use safety glasses as a good general safety practice.

Protective clothing:

Proper safety clothing

Other protective equipment:

N/A

SECTION IX – SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

Cool, dry place. Keep containers tightly closed to prevent moisture absorption and contamination. Store at 70°F – 75°F and 50% - 55% relative humidity.

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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