

## PRODUCT: JX130B, JX180, JX180B, JX260, JX240B AND JX260B SERIES

### 1. PRODUCT INFORMATION

**Trade Name:** JX130B, JX180, JX180B, JX260, JX240B and JX260B series  
**Product description:** Polyester Spunbonded Non Woven Fabrics

#### Relevant identified uses of the substance or mixture and uses advised

**Relevant identified uses:** Filtration  
**Recommended use:** Filtration applications, for industrial processing only

#### Manufacturer/Importer/Supplier/Distributor information

**Company Name:** JP Air Tech  
**Address:** Skifervej 2, DK- 4990 Sakskøbing. Denmark  
**Telephone:** +45 54950025  
**E-mail:** sales@jpairtech.com

### 2. HAZARD'S IDENTIFICATION

**Potential Health Effects:**  
**Physical hazards** not classified  
**Health hazards** Sensitization, skin Category 1  
Carcinogenicity Category 1A  
**OSHA defined hazards** Combustible dust



#### Label elements

**Signal word** Danger  
**Hazard statement** May form combustible dust concentrations in air. May cause an allergic skin reaction.  
May cause cancer by inhalation.

### Emergency Overview

Appearance and Odor: Product form varies: chips, dice noodles or lace. Colors vary: White; under normal conditions of use, this product is not expected to create unusual emergency hazards. Polyesters can burn if exposed to flame. Molten polymer generates small amounts of volatile degradation products (off-gases), one of which is acetaldehyde. Acetaldehyde vapors form explosive mixtures with air that can spontaneously ignite (auto-ignite) at temperatures above 347°F (175°C). Combustion products may include compounds of carbon, hydrogen, and oxygen; exact composition depends on conditions of combustion.

In the event of fire, use normal firefighting procedures to prevent inhalation of smoke and gases.

### Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Observe good industrial hygiene practices. Avoid breathing dust. Prevent dust accumulation to minimize explosion hazard. Ground/bond container and

receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.

### Response

If exposed or concerned: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

### Storage

Store in a cool, dry locations. Store away from incompatible materials.

### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)  
None known.

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## 3. INFORMATION/ COMPOSITION ON INGREDIENTS

### Substances

Chemical name	CAS number	%
Polyethylene Terephthalate	25038-59-9	100

### Mixtures

Not applicable

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## 4. FIRST AID MEASURES INHALATION

### Summary

Nuisance dust hazards are associated with the dry resin. Heating resin above 383°F (195°C) may cause gas and vapor that are potent irritants.

### EYE CONTACT

Temporary irritation (itching) or redness may occur.

### Inhalation

Irritation of the upper respiratory tract, coughing, and congestion may occur.

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### **SKIN CONTACT**

Molten resin will cause thermal burns.

#### **Absorption**

Not applicable

#### **Ingestion**

Not applicable

#### **Target Organs**

Upper respiratory passages, skin, and eyes.

#### **Primary Routes of Entry (Exposure)**

Respiratory system, skin, and eye.

#### **First Aid: Inhalation**

Remove to fresh air. Drink water to clear throat, and blow nose to remove dust.

#### **First Aid: Skin**

If contact with molten resin occurs, the affected area should be flushed with plenty of water. Prompt medical attention is advised for burns.

#### **First Aid: Ingestion**

Not applicable

#### **First Aid: Eyes**

Flush eyes with large amounts of water for 5-15 minutes. If irritation develops, or persists, seek medical attention.

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## **5. FIRE FIGHTING MEASURES**

#### **Flash Point**

Not applicable

#### **Method Used**

Not applicable

#### **Upper Flammable Limit (UFL)**

Not applicable

#### **Lower Flammable Limit (LFL)**

Not applicable

#### **Auto Ignition**

Not determined

#### **Flammability Classification**

Not determined

#### **Rate of Burning**

Not determined

#### **General Fire Hazards**

Polyesters can burn if exposed to flame. Molten polymer generates small amounts of volatile degradation products (off-gases), one of which is acetaldehyde. Acetaldehyde vapors form explosive mixtures with air that can spontaneously ignite (auto-ignite) at temperatures above 175°F (347°C). Combustion products will be comprised of compounds of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion.

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**Hazardous Combustion Products**

Acetaldehyde, carbon, hydrogen and oxygen.

**Extinguishing Media**

Class A or Class B fire extinguishers or water fog.

**Fire Fighting Equipment/Instructions**

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

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**6. ACCIDENTAL RELEASE MEASURES:****Containment Procedures**

Sweep up small spills and put into an appropriate container. Stepping or walking on resin chips or pellets can cause falls; avoid accumulation on floors and walkways. Pick up large pieces.

**Clean-Up Procedures**

Wastes are not hazardous as defined by the Resource Conservation and Recovery Act (RCRA; 40 CFR 261). Comply with state and local regulations for disposal of these products. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the Environmental Protection Agency (EPA).

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**7. HANDLING AND STORAGE:****Handling Procedures**

Customary personal hygiene measures, such as washing hands after working with these products are recommended.

**Storage Procedures**

No special precautions are required.

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**8. EXPOSURE CONTROL/PERSONAL PROTECTION****Guidelines:**

No guidelines are enacted by OSHA, ACGIH or NIOSH.

**Ventilation:**

Provide supplementary local ventilation to control airborne levels.

**Eye Protection**

Use safety glasses if there is a potential for exposure to particles. Provide eye washer near workplace.

**Skin Protection**

Clean body-covering clothing should be needed.

**Protective Gloves**

Wear chemical-resist gloves.

**Respiratory Protection**

When respiratory protection is required for certain operations, use approved air-purifying respirator.

**ACGIH** = American Conference of Governmental Industrial Hygienists

**NIOSH** = National Institute for Occupational Safety and Health

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Products in form of chips, dice noodles or lace. The color is white.

### Odor

Odorless

### Physical State

Solid

### pH

Not applicable

### Vapor Pressure

Not applicable

### Vapor Density

Not applicable

### Boiling Point

Not determined

### Melting Point

260°F/500°C

### Solubility (H<sub>2</sub>O)

Nil

### Specific Gravity

1.355 - 1.455

### Freezing Point

Not applicable

### Evaporation Rate

Not applicable

### Viscosity

Not applicable

### Percent Volatile

0

### VOC

Not applicable

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## 10. STABILITY AND REACTIVITY

### Chemical Stability

This is a stable material. This product is not reactive.

### Hazardous Decomposition

Combustion products will be comprised of compounds of acetaldehyde, carbon, hydrogen, and oxygen.

### Hazardous Polymerization

Will not occur.

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## 11. TOXICOLOGICAL INFORMATIONS

### Acute Toxicity

Acetaldehyde can cause irritation to eyes, nose and upper respiratory tract; eye, skin burns; dermatitis; conjunctivitis; cough; central nervous system depressant/depression; delayed pulmonary edema.

A: Component Analysis - LD50/LC50

Acetaldehyde\* (75-07-0)

Inhalation LC50 Rat: 13300 ppm/4H

Inhalation LC50 Mouse: 23 gm/m<sup>3</sup>/4H

Oral LD50 Rat: 661 mg/kg

Oral LD50 Mouse: 900 mg/kg

Dermal LD50 Rabbit: 3540 mg/kg

### Carcinogenicity

The Occupational Safety and Health Administration (OSHA), National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), and American Conference of Governmental Industrial Hygienists (ACGIH) have not classified this product in its entirety as a carcinogen.

A: Component Carcinogenicity

### NTP:

Suspect Carcinogen (Possible Select Carcinogen)

### IARC:

Monograph 71, 1999; Supplement 7, 1987; Monograph 36, 1985 (Group 2B (possibly carcinogenic to humans))

### Chronic Toxicity

No long-term health hazards are associated with polyester or polyethylene terephthalate polymer. In animals acetaldehyde has caused: kidney, reproductive, teratogenic effects. The International Agency for research on cancer classified acetaldehyde a Group 2B possible carcinogen. The National Toxicology Program classifies it a suspect carcinogen. The American Conference of Governmental Industrial Hygienists classified acetaldehyde an A3 animal carcinogen.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

No data available for this product.

**A: Component Analysis - Ecotoxicity - Aquatic Toxicity**

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## 13. DISPOSAL CONSIDERATION

US EPA Waste Number & Descriptions

This product is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations.

### A: Component Waste Numbers

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

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## 14. TRANSPORT INFORMATION

### US DOT Information

#### Shipping Name

This product is not classified a hazardous material for transport.

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## 15. REGULATORY INFORMATION

### United States Toxic Substances

Control Act (TSCA): in accordance with TSCA inventory requirements for commercial purposes

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## 16. OTHER INFORMATION

### Abbreviations Used:

<b>ACGIH</b>	American Conference of Government Industrial Hygienists
<b>ADR</b>	European agreement on the international carriage of dangerous goods on road
<b>CAS</b>	Chemical Abstract Service
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>EPA</b>	United States Environmental Protection Agency
<b>IARC</b>	International Agency for Research in Cancer.
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	Regulations regarding the transportation of dangerous goods on ocean-going vessels issued by the International Maritime Organization.
<b>LC50</b>	Lethal Concentration 50% is the concentration of a chemical which kills 50% of a sample population
<b>LD50</b>	Lethal Dose 50% is the dose of a chemical which kills 50% of a sample population.
<b>LDLo</b>	Lowest observed lethal dose
<b>MSFU</b>	Manufacture, Formulation, Supply and Use (Section 13)
<b>NIOSH</b>	National Institute of Occupational Safety and Health (US)
<b>NTP</b>	National Toxicology Program (US)
<b>OSHA</b>	United States Occupational Safety and Health Administration
<b>RID</b>	International regulations concerning the international carriage of dangerous goods by rail.
<b>RTECS</b>	Registry of Toxic Effects of Chemical Substances (US)
<b>WHMIS</b>	Workplace Hazardous Materials Information System (Canada)

This safety data sheet has been prepared to comply with the requirements of European Union Directive 2001/58/EC and ANSI Z400.1-1998. it4ip is a registered trademark of UCL (Université Catholique de Louvain, Belgicain)

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