

1 - IDENTIFICATION OF THE PREPARATION AND THE COMPANY/BUSINESS

Identification of the substance or preparation

Name of product: **THERMALIMIDE E RCBS**

Use of the substance / preparation

Article: Release Film

Company / undertaking identification

Company name: AIRTECH EUROPE Sarl

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2 - HAZARDS IDENTIFICATION

Inhalation: Due to the form of this product, inhalation is not a probable route of exposure. If product is heated to decomposition, inhalation of decomposition product (carbon and nitrogen oxides), can be irritating to the nose, throat and respiratory system.

Skin contact: Skin contact with this product should not pose any significant hazard, beyond the possibility of cuts from handling the film similar to "paper cuts".

Eye contact: Not a probable route of exposure for film.

Ingestion: Ingestion is not anticipated to be a likely route of exposure to this product.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Product name: Polyimide film

Composition: Aromatic polyimide > 99%

4 - FIRST AID MEASURES

Skin contact: Wash with soap and water after handling. Under normal circumstances, this product is not expected to cause irritation by skin contact. Less than 1 ppm dimethyl acetamide was extracted from film by distilled water at 40°C for 4 hours. While not expected, if skin irritation develops, consult a physician.

Inhalation: Due to the form of the products, inhalation is not a potential route of exposure to these products. If decomposition fumes from heated product are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions.

Eye contact: Not a probable route of exposure for film. If heated to decomposition, irritation of eyes may occur from decomposition fumes.

Ingestion: Not a probable route of exposure for film.

5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons: High power water jet.

Unusual fire and explosion hazards: Not a fire or explosion hazard. Polyimide film is reported as 'self-extinguishing'. The film will char but not burn in air. The film will only burn in an atmosphere of 100% oxygen. The decomposition products are carbon monoxide, carbon dioxide and other irritating vapours. As with many plastic films, this product has the potential to form a static charge.

EU SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)

THERMALIMIDE E RCBS

Special protective equipment: Avoid scattering burning material. In the event of fire, wear an approved positive pressure self-contained breathing apparatus and full protective clothing.

6 – ACCIDENTAL RELEASE MEASURES

Environmental precautions: Do not allow to enter ground water, sewage or drains.

Cleaning methods: Collect and store into containers for disposal.

7 - HANDLING AND STORAGE

Handling: Good industrial practice in housekeeping should be followed. All should use care so as not to cut oneself as the edges of the film. Take precautionary measures against static discharges. Wash hands thoroughly after handling.

Storage: Store in a cool, dry area, away from direct sunlight, at 20-25°C and 40 - 60% relative humidity. Keep original packaging tightly closed until use to prevent from contamination.

8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limit values: Not applicable.

Exposure controls: Overall room ventilation and/or local exhaust at high temperatures above 200°C.

Occupational exposure controls:

Respiratory protection:	None under normal usage if ventilation is adequate.
Hand protection:	Protective gloves according to EN 407 are required when handling hot material and to prevent from cuts.
Eye protection:	Safety glasses are recommended as good industrial practice. .
Hygiene measures:	Wash hands before handling food and at the end of work.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light amber transparent film
Odor:	None
pH:	Not applicable
Solubility in water:	Insoluble.
Flash point:	Not determined
Melting point/range:	Not applicable
Decomposition temperature:	> 400°C.
Auto-ignition temperature:	Not determined
Specific gravity:	>1.40

10 - STABILITY AND REACTIVITY

Conditions to avoid: Elevated temperatures.

Materials to avoid: None reasonably foreseeable.

Hazardous decomposition products: At temperatures above 400°C, the major off-gases are carbon monoxide and carbon dioxide.

Additional information: The product is stable at the handling and storage conditions recommended per § 7 of the safety data sheet and under normal processing conditions.

11 - TOXICOLOGICAL INFORMATION

General toxicity information: Due to the form of these products, no significant hazard is expected by any route of exposure. Heating to decomposition may form toxic and irritating fumes.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available. Aquatic toxicity is expected to be low based on the insolubility of the polymer in water.

Environmental stability: No data currently available. The product is not biodegradable.

Effect of material on plants or animals: No data currently available.

Effect of chemical on aquatic life: No data currently available.

13 - DISPOSAL CONSIDERATIONS

Disposal recommendations: Disposal of the product and the packaging must be done in compliance with local, state and federal regulations.

European waste key numbers: 070213 = Plastic waste

Contaminated packaging: Waste key number 150101 – Paper and cardboard packaging.

Waste key number 150102 – Plastic packaging.

14 - TRANSPORT INFORMATION

Not classified as a hazardous material with respect to transportation regulations (ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport).

15 - REGULATORY INFORMATION

Classification:

Code letter and hazard symbol: not applicable.

R phrase (s): not applicable.

S phrase (s): not applicable.

National regulations – EC member states:

Volatile organic compounds (VOC): maximum 1% by weight

16 - OTHER INFORMATION

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.

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this material. The information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations but all statements or suggestions are made without warranty, express or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.

Revision description:

Overall review