



Health and Safety at Work - Control of Substances Hazardous to Health.

Material Safety Data Sheet.

MSDS No:

1) Chemical Product and Company Identification.

PRODUCT NAME: VACFILM 200G

OTHER/GENERIC NAMES: None

FORM: Vacfilm 450V is a film produced from low capralactum nylon 6-66 and co-polymer PP resins.

PRODUCT USE: Bagging film.

MANUFACTURER/DISTRIBUTOR: Aerovac Systems Ltd
500 Bradford Road,
Sandbeds,
Keighley,
W. Yorks.
BD20 5NG
England.

For More Information Call: 01274 550500 Mon. - Fri. 9:00-17:00 Hrs.

2) Composition/Information on Ingredients.

Chemical characterization:

1-propene, polymer with ethane

Co-polyamide

Description:

Mixture of the substances listed below with harmless additives
1-propen, polymer with ethane - PA

3) Hazards Identification.

EMERGENCY OVERVIEW:

At room temperature the product is neither an irritant nor gives off hazardous vapours.
The measures listed below apply to critical situations (fire, incorrect process conditions).



This product is, according to EEC directives 1999/45, 67/548, 76/769 and following amendments, not classified as hazardous.

Potential Health Hazards:

After Skin Contact – N/A

Eye Contact – N/A

After Swallowing – Not a route of exposure

Inhalation – Not a route of exposure

4) First Aid Measures.

After Skin Contact – After contact with the molten product, cool rapidly with cold water. Do **NOT** pull solidified product away from the skin. Seek immediate medical advice.

After Eye Contact – Rinse opened eye for several minutes under running water. Then consult a Doctor

After Inhalation – In case of excessive inhalation of fumes move the person to fresh air. Call for medical help. Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration.

After Swallowing – No specific measures have to be taken if the product is swallowed. Get medical advice if necessary.

ADVICE TO PHYSICIAN: None stated by source.

5) Fire Fighting Measures.

Flammable Properties

FLASH POINT: N/A

FLASH POINT METHOD: N/A

AUTO IGNITION TEMPERATURE: 400°C

UPPER FLAME LIMIT (vol. % in air): N/A

LOWER FLAME LIMIT (vol. % in air): N/A

EXTINGUISHING MEDIA: Water (sprinkle), foam, dry powder, CO₂. Fire fighters must work from the windward side.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Water (H₂O), Carbon Dioxide (CO₂), and when lacking Oxygen (O₂), Carbon Monoxide (CO)
The products of the burning are Dangerous.



The formation of the Hydrocarbons and Aldehydes are possible in the initial stages of a fire (especially in between 400°C & 800°C)

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Self contained breathing apparatus.

6) Accidental Release Measures.

IN CASE OF SPILL OR OTHER RELEASE: No special measures required.

7) Handling and Storage.

NORMAL HANDLING: Static charges can develop if the laminate is unwound over metal or other rollers. Under some circumstances, discharge can ignite flammable vapours and gases, so appropriate precautions should be taken during conversion in potentially explosive atmospheres.

When processing thermally, make sure that there is adequate ventilation at the workplace. The room air must be free from solvent fumes and there must be no open solvent containers in the vicinity.

STORAGE RECOMMENDATIONS:

- Store the film in a cool, dry place.
- Do not expose to direct sunlight.
- Take precautionary measures to prevent the formation of static electricity.
- Ground equipment electrically.
- Open flames prohibited.

8) Exposure Controls/Personal Protection.

VENTILATION: Recommended, mechanical ventilation in confined areas.

FIRE AND EXPLOSIONS: Explosion index data is not applicable to films.

PERSONAL PROTECTIVE EQUIPMENT: Hand and glove protection as recommended by company policy. In the case of organic fumes in the area of handling, wearing conductive footwear is recommended.

ADDITIONAL RECOMMENDATIONS: In the event of a fine dust formed during mechanical processing such as shredding or milling, observe the relevant regulations/limits. Maximum exposure limit for breathable dust is 4mg/m² (former total dust).

EXPOSURE GUIDELINES/ LIMITS: Wash hands thoroughly after handling.

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: N/a



9) Physical and Chemical Properties.

APPEARANCE: Violet Film
PHYSICAL STATE: TPU Film
ODOUR: Odourless
SPECIFIC GRAVITY: (H₂O = 1.0): To be confirmed.
SOLUBILITY IN WATER (weight %): Insoluble
pH: N/a
BOILING POINT: N/a
MELTING POINT: 150°C -180°C
VAPOUR PRESSURE: N/a
VAPOUR DENSITY (air = 1.0): N/a
EVAPORATION RATE: N/a
% VOLATILE'S: >1%
IGNITION TEMPERATURE: > 400°C
FLASH POINT: N/a
HAZARDOUS POLYMERISATION: Will not occur

10) Stability and Reactivity.

CHEMICAL STABILITY: Stable

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:

The product is stable at normal handling and storage conditions.
Decomposes over 300°C

Materials to be Avoided: Strong oxidation agent.

DANGEROUS REACTIONS: No dangerous reactions known.

DANGEROUS PRODUCTS OF DECOMPOSITION: No hazardous decomposition products known at room temperature.

11) Toxicological Information.

GENERAL: Films are non-toxic. All additives are physically bonded in the matrix. The additives present no hazard at ambient temperatures.

IMMEDIATE (ACUTE) EFFECTS: None

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: None

TOXICITY OF PRODUCT: Irritating vapours may form at higher processing temperatures.

OTHER DATA:



12) Ecological Information.

Not toxic to environment.

PERSISTENCE/DEGRADABILITY: This product is not biodegradable.

MOBILITY AND BIOACCUMULATION:

- Floats on water
- There is no Bioaccumulation

13) Disposal Considerations.

WASTE DISPOSAL: Disposal through controlled incineration or authorised waste dump.

EUROPEAN WASTE CATALOGUE: 070213

RECOMMENDATION: Disposal must be done according to official regulations.

14) Transport Information.

Not a hazardous or restricted item.

15) Regulatory Information.

DESIGNATION ACCORDING TO EC GUIDELINES:

The material is not subject to classification according to EC lists and other sources of literature known to us.

Observe the normal safety regulations when handling chemicals.

FURTHER REGULATIONS, RESTRICTIONS AND PROHIBITION REGULATIONS:

Generally all national regulations regarding this product type apply.

16) Other Information.

CURRENT ISSUE DATE: 01/05

PREVIOUS ISSUE DATE: None

OTHER INFORMATION: This material safety data sheet was prepared in compliance



with Council Directive 91/155/EEC, 67/548 and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

The above information describes exclusively the safety requirements of the product(s) and is based on our present day knowledge. It does not represent a guarantee for the properties of the product(s) described in terms of the legal warranty regulations. Properties of the product are to be found in the respective product leaflet.

The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation.
