



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

Material Safety Data Sheet.

MSDS No: VACFILM400Y

1) Chemical Product and Company Identification.

PRODUCT NAME: VACFILM400Y
OTHER/GENERIC NAMES: N/A
FORM: Polyamide, Polyethylene coex film

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.

<u>Ingredient Name</u>	CAS Number	Weight %
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3) Hazards Identification.

EMERGENCY OVERVIEW:

Potential Health Hazards:

SKIN: N/a
EYES: N/a
INHALATION: Not a route of exposure
INGESTION: Not a route of exposure
DELAYED EFFECTS: N/a

Ingredients found on one of the OSHA designated carcinogen lists are listed below:

None

4) First Aid Measures.

SKIN: Injuries from molten material require medical treatment, cool immediately with water and consult a doctor

EYES: In case of any eye irritation, irrigate with water and consult a doctor.

INHALATION: For the inhalation of vapours, remove to fresh air. In case of extreme exposure obtain medical attention

INGESTION: N/a

ADVICE TO PHYSICIAN:

5) Fire Fighting Measures.

Flammable Properties.

FLASH POINT: N/a

FLASH POINT METHOD: N/a

AUTO IGNITION TEMPERATURE: >300°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: Flammable gases and vapours, organic acids, Crotonaldehyde, Acetaldehyde, Acrolein, Carbon monoxide, Formaldehyde, Acetic acid. Minor amounts of Cyanides may develop under certain circumstances. (Dependent on the conditions prevailing, in particular air supply).

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 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 films in a cool, dry place. Do not expose to direct sunlight.

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 $4\text{mg}/\text{m}^2$ (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: Yellow film

PHYSICAL STATE: TPU film

ODOUR: Light characteristic

SPECIFIC GRAVITY: ($\text{H}_2\text{O} = 1.0$): To be confirmed.

SOLUBILITY IN WATER (weight %): Insoluble

pH: N/a

BOILING POINT: N/a

MELTING POINT: $>200^\circ\text{C}$

VAPOUR PRESSURE: N/a

VAPOUR DENSITY (air = 1.0): N/a

EVAPORATION RATE: N/a

% VOLATILE'S: $>1\%$

IGNITION TEMPERATURE: $> 200^\circ\text{C}$

FLASH POINT: N/a

HAZARDOUS POLYMERISATION: Will not occur

10) Stability and Reactivity.

CHEMICAL STABILITY: Stable

INCOMPATIBILITIES/ REACTS: No hazardous reaction known

HAZARDOUS DECOMPOSITION PRODUCTS: Flammable gases and vapours, organic acids, Crotonaldehyde, Acetaldehyde, Acrolein, Carbon monoxide, Formaldehyde, Acetic acid. Minor amounts of Cyanides may develop under certain circumstances.

HAZARDOUS POLYMERISATION: Will not occur

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.

Films are not readily biodegradable and not soluble in water. No effects are known to be harmful to the environment.

13) Disposal Considerations.

Films may be discharged or incinerated together with household refuse if local official regulations are observed.

14) Transport Information.

Not a hazardous or restricted item

15) Regulatory Information.

Labelling according to EC Directive 88/379/EEC and subsequent amendments (e.g. 91/155/EEC) is not required.

16) Other Information.

CURRENT ISSUE DATE: 11/03

PREVIOUS ISSUE DATE: None

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

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.
