

Material safety data sheet

Reviewed at: 20.07.2011

1. product and company identification

Product trade name: article V6500 in every colour and width available
(Casual -range)

Company's name: Sioen Fabrics Calandering

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2. ingredients / identity information

Chemical characterisation: plasticized polyvinylchloride film on polyester non-woven

Composition:

<i>Ingredient</i>	<i>amount</i>	<i>CAS-number</i>
polyvinylchloride	45 – 65 %	9002-86-2
polyethyleneterephthalate:	5 – 15 %	25038-59-9
di-isodecyl phthalate	10 – 20 %	68515-49-1
antimonytrioxide:	0 – 5 %	1309-64-4
inert fillers:	10 – 20 %	-

3. hazards identification

The material is not hazardous for man and environment whenever used under normal conditions.

The material contains antimony trioxide which has been reported to cause vomiting and diarrhea.

4. first aid

effects:

route of entry:

inhalation: not applicable
skin: continuous contact may cause irritation
ingestion: seek medical attention immediately
eye: possible irritation due to mechanical effect

acute and chronic health hazards: no TLV exists for PVC films

first aid:

inhalation: not applicable
skin: - wash the skin thoroughly with soap and water
- obtain medical attention whenever irritation is significant
ingestion: - free the respiratory channel
- obtain medical attention whenever ingestion of large quantities
eye: - wash the eyes abundant with water
- obtain medical attention whenever irritation is significant

5. fire fighting

Flash point: not applicable
Explosion limits: not applicable
Extinguishing media: CO₂, dry chemical, water or other agents as appropriate for materials in the surrounding fire.

Special risks: decomposition in the burning flame may result in the formation of HCl (hydrogenchloride), CO (carbonmonoxide), CO₂ (carbondioxide) and antimony compounds.

Protective measures during fire fighting:

- Only well trained persons, informed about the hazards of the product should be engaged in fighting the fire.
- Wear suitable protection whenever approaching the fire or in confined places. Self contained breathing apparatus should be worn.
- Wear protective clothes, resistant to chemicals. Exposure to the fumes should be avoided in any case.
- After the fire, clean protective clothes . The surroundings should be aerated and cleaned thoroughly before re-entry.

6. accidental release

not applicable

7. handling and storage

Handling: no special precautions are to be taken for personal protection

Storage: avoid temperatures above 70°C in order to eliminate slow degradation

Other precautions:

- Avoid overheating the product in order to eliminate degradation (see topic 9). Upon fusion of the material use sufficient ventilation to eliminate inhalation of possible fumes.
- Eliminate contact with fire.
- Respect the regulations concerning personal protection.(see topic 8)

8. exposure controls and personal protection

technical measures: follow the measures for safe handling and storage (topic 7)

steps if material released or spilled: not applicable

waste disposal method: disposal must be in accordance with federal, state and local regulations. An approved method of solid waste disposal should be used.

Precautions in handling: fusion or welding should be done under sufficient ventilation. Avoid overheating the product in order to eliminate degradation (see topic 9).

When machining the plastic film dry, a dusty condition may result. A suitable dust collection system should be employed and an approved dust mask for respiratory protection.

At decomposition: take the necessary protective measures in order to avoid contact with the fumes, either skin, eye or inhalation. Prevent inhalation and protect the eyes by the use of a protective facemask with a filter class B-P2. Only use inhalation protection, which is conform the international and national rules.

9. physical and chemical properties

appearance: plastic film
smell: none

phase transitions:

melting point: not applicable
boiling point: not applicable
softening: excessive softening occurs from 70°C onwards
evaporation rate: not applicable
vapour pressure: not applicable

flash point : not applicable
ignition temperature: > 350°C

density: 1.25-1.40 g/cm³
vapour density: not applicable

solubility:

insoluble in water
partly soluble in: ketones
dimethylsulfoxide
tetrahydrofurane
methylhydrofurane

pH: not applicable

viscosity: not applicable

decomposition temperature: >120°C (long exposure >3hrs)
>250°C: (short exposure)

oxidising properties: not applicable

10. stability and reactivity

stability:

the product is stable under the normal conditions of use.

Conditions to avoid:

when heated to decomposition (see section 9) temperatures, products of decomposition including CO, CO₂, HCl and other volatiles are released.

Materials to avoid: none.

Remark: material dissolves in some organic solvents (see item 9)

11. toxicological information

No TLV exists for PVC films. The hazards associated with the product are related to the individual constituents.

Directive 67/548/EEC:15th adaptation: antimony trioxide is classified as a class 3 carcinogen

12. environmental information

the material is biological inert and non degradable.

13. disposal considerations

waste treatment:

disposal of the plastic film should be according to the local, federal, national and international regulations. Either landfill or incineration is possible if according to the above regulations.

14. transportation information

not applicable

15. regulatory information

not applicable

16. miscellaneous

The actual product information is based upon our actual product knowledge and experience and is not limiting. The information of the product is based on the properties of the product as specified in the product technical data sheet. Whenever a product is combined or mixed with other substances one should be aware of the fact that this could include new risks.

The user, in using or working with the product, should keep him to the legislation, hygiene and safety regulations. In this way, this MSDS does not have any effect on these regulatory obligations.