

## ***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

*Address:* 104, boulevard de L'Eurozone  
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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: CO<sub>2</sub>, 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), CO<sub>2</sub> (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/cm<sup>3</sup>  
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, CO<sub>2</sub>, 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:15<sup>th</sup> 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.