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# Dupont™ AirGuard®

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## 1 Chemical Product and Company Identification

### Material Identification

Commercial (style) Product name: 5814X

### Company Identification

#### Manufacturer/Distributor

Du Pont de Nemours (Luxembourg) s.à.r.l.  
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Grand Duchy of Luxembourg

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Dutch: ++ 31 (0)78 6301899  
French: ++ 352 3666 6543  
English: ++ 44 (0) 845 6006640  
German: ++ 49 (0) 202 5296655  
Danish,Norwegian,  
Finnish, Swedish: ++ 46 (0) 8 4542222

## 2 Hazards Identification

No hazardous product under normal conditions.

N.B. Accidental thermal decomposition or melting state can present hazards like production of poison gases or skin burn (see section §10).

## 3 Composition/Information on Ingredients

Composite product with  
Predominant components : Polyethylene (CAS N° 9002-88-4)  
: Polypropylene (CAS N° 9003-07-0)  
: Aluminium (CAS N° 7429-90-5)  
Minor components : Standard polyolefines additives

Chemicals (in relevant concentrations) that are in the list of dangerous substances : none

## 4 First Aid Measures

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Under normal conditions,

- Inhalation** → Under normal conditions, No specific measures to be taken.  
If exposed to gases generated by the decomposition of the material at high temperatures, remove to fresh air and get medical assistance if cough or other symptoms persist. Low dust product normally, but if dust is inhaled, remove from source and seek medical attention if necessary (irritation...).
- Eyes** → No specific measure to be taken under normal conditions. Thoroughly flush dust from eyes using clean water for at least 15 minutes if necessary.
- Skin** → No specific measure to be taken under normal conditions.
- Ingestion** → No specific measures to be taken under normal conditions.

## 5 Fire Fighting Measures

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**Suitable extinguishing media:**

Agents approved for Class A hazards → Foam, Dry powder of CO<sub>2</sub>, Powder or Water spray.

**Extinguishing media not to be used:** none

**Special exposure hazard:** none

For flammable and toxic fumes as well as skin contact with molten materials see section §10

**Special protective clothing for fire-fighter:**

A self-contained breathing apparatus and suitable protective equipment should be worn to fight fire.

## 6 Accidental Release Measures

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Not applicable. Dust or small fragments: collect and dispose in general waste container.

## 7 Handling and Storage

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Normal requirements → Temperature of storage < + 60°C  
Store in a dry area; avoid direct and prolonged exposure to sunlight  
Store in a warehouse equipped with a sprinkler system

In case of handling with important friction, and because the product is susceptible to build up an electrostatic charge, special precautions have to be taken to prevent people from any possible electrical shock.

## 8 Exposure Controls / Personal Protection

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**In case of generation of dust during use of the product:**

OEL (EH40/2000) ≥ 10 mg/m<sup>3</sup> total inhalable dust; ≥ 4 mg/m<sup>3</sup> respirable dust, for 8 hours TWA.

**Engineering controls**

Ventilate to ensure dust exposure is below the recommended limits. If airborne dust exceeds exposure limits, use an approved dust respirator.

**Personal Protective Equipment**

Protective overalls and safety shoes when handling rolls.

## 9 Physical and Chemical Properties

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<b>Appearance</b>	:	sheet
<b>Colour</b>	:	grey
<b>Odour</b>	:	neutral
<b>pH</b>	:	not applicable
<b>Boiling Point (Deg C)</b>	:	2450°C for aluminium
<b>Melting Point (Deg C)</b>	:	> 100°C for polyolefins and 660°C for aluminium
<b>Decomposition temperature</b>	:	above 200°C in the presence of oxygen for polyolefins
<b>Flash Point (Deg C)</b>	:	343°C for polyolefins
<b>Flammability</b>	:	classified CLASS E following the EN13501-2
<b>Auto ignition Temp (Deg C)</b>	:	330-350°C
<b>Explosion hazards</b>	:	explosion hazard from airborne dust when excessive dust is created
<b>Density (g/cm<sup>3</sup>, 20 °C)</b>	:	not applicable
<b>Vapour pressure</b>	:	not applicable
<b>Solubility (water)</b>	:	not soluble

## 10 Stability and reactivity

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Conditions to avoid:

Above 300°C may be released: toxic and flammable gases like carbon monoxide. The generation of cleavage and oxidation products is subject of fire conditions. Non burned residues and contaminated water after fire fighting should be disposed of in compliance with official regulations.

If molten material is in contact with the skin, cool rapidly with cold water. Do not pull solidified product away from the skin. Seek immediate medical advice.

## 11 Toxicological Information

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No toxic reaction known under normal conditions, not classified as harmful.

Typical values for polyolefines are:

**LD 50, oral** > 2000 mg/kg                      **LD 50, dermal** > 2000 mg/kg

**Primary irritant effects**

Skin            No irritant effect

Eye            No irritant effect

Sensitisation            No sensitising effect known

Note: under decomposition conditions: toxic fumes and contaminated water (see §10)

## 12 Ecological Information

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For normal use, no ecological effects known. Not biologically decomposable. No water pollution.

## 13 Disposal Considerations

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Polyolefines are classified by the European Commission of 20.12.1993 in its list of waste materials on the same level as municipal waste (guideline EWG 75/442, later modified by EWG 91/156).

The material can be re-used or recycled according to the regulations of Guideline EG 94/62.

The preferred way for disposal is through recycling or thermal valorisation (incineration); avoid landfilling.

## 14 Transportation Information

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Not regulated, not a dangerous good as defined by the following regulations:

Sea transportation:	IMO / IMDG
Air transportation:	ICAO / IATA
Road, Rail transportation:	ADR / RID

## 15 Regulatory Information

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### Designation according to EC guidelines

According to the text of EEC directive 67/548 and following adaptations, the product is not dangerous.

## 16 Other Information

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The data in this MSDS was prepared for the DuPont™ AirGuard® product.

This document provides a Material Safety Data Sheet (MSDS) on a voluntary basis according to EDANA recommendations (Guidelines / Instructions relating to MSDS for Nonwovens 10/GV8/422). The MSDS is a means of transferring essential hazard information (including information on transport, handling, storage and emergency actions) from the supplier of a nonwoven product to the recipient of the product. As nonwovens are generally not hazardous, an MSDS for nonwovens is not legally requested but must be considered as information. It is inspired from the EC recommendation for MSDS (Regulation (EC) N° 1907/2006 repelling Commission Directive 91/155/EEC).

DuPont has developed the information contained in this Material Safety Data Sheet on the express request of its customers and to the best of its knowledge. Therefore, DuPont does not assume any liability with respect to the correctness and/or completeness of the information provided by this MSDS. The customer in particular shall not be released from his duty to check all safety relevant properties of the delivered nonwovens and to refer to the official texts for full information on the local obligations.

For additional information on installation and use, please contact your distributor or the manufacturer.