

# MATERIAL SAFETY DATA SHEET

In Accordance with the EC Commission Directive 1907/2006 (REACH Regulation\*)

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## PRODUCT AND COMPANY IDENTIFICATION

**Hiltex Semi-Products BV.**  
**Handelsweg 37**  
**1525 RG West Knollendam**  
the Netherlands  
phone 31-(0)75-6871090  
fax 31-(0)75-6877132

Code N°: **Hiltex/Semi/004**

**PRODUCT NAME :**

**ALF**

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## COMPOSITION - INFORMATION

**COMPONENTS :**

Continious alumina silica fiber in a polycrystalline form. Boron free.

72%  $AL^2O^3$

28%  $SiO^2$

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## HAZARDS IDENTIFICATION

**MAIN HAZARDS /  
HUMAN HEALTH EFFECTS :**

Handling of ALF may cause temporary skin, eye and upper respiratory tract irritation.

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## FIRST-AID MEASURES

**INHALATION :**

Remove of scene of exposure

**SKIN CONTACT :**

Clean immediately with soap and lukewarm

<b>EYE CONTACT :</b>	water Flush well with running water for 10 minutes
<b>ALLERGY :</b>	N / A

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**FIRE FIGHTING MEASURES**

<b>RECOMMENDED EXTINGUISHING MEDIA :</b>	Use water or powder. Only the packaging burns (cardboard, polyethylene, PVC and polystyrene).
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**ACCIDENTAL RELEASE MEASURES**

<b>PERSONAL PRECAUTIONS :</b>	Avoid contact with the product In case of contact, refer to chapter 4
<b>ENVIRONMENTAL PRECAUTIONS :</b>	Respect local disposal regulations concerning inert type wastes (dump corresponding to product classified as “non hazardous”)
<b>METHODS OF CLEANING UP :</b>	Sweep and shovel in containers designed for silica or glass fibers waste.

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**HANDLING AND STORAGE**

HANDLING :	
Technical Measures /Precautions /Safe Handling Advice.	Wear a paper mask, gloves, protective glasses.
STORAGE :	
Technical Measures :	N/A
Storage Conditions :	Preferably at $0 < 25^{\circ}\text{C}$ and $\text{RH} < 80\%$
Incompatible Products :	N/A
Packaging Materials :	The product should be stored in its original packaging. Avoid excessive handling.

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**EXPOSURE CONTROLS – PERSONAL PROTECTION**

ENGINEERING MEASURES :	Avoid generating dust by breaking the fibers Use exhaust fan to minimise irritation effect.
CONTROL PARAMETERS : Limit Values :	Keep total dust concentration and respirable dust at a level compatible with local applicable regulations in workshops.
PERSONAL PROTECTIVE EQUIPMENT :	
Respiratory Protection :	Wear paper mask
Hand Protection :	Recommended to wear gloves
Eye Protection :	Wear protective glasses
Skin and body Protection (other than hands) :	Wear long sleeves to avoid irritation

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**PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE :	Solid
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FORM :	Continuous alumina silica filaments, nominal diameter 7 micron.
COLOUR :	White
ODOUR :	None
pH :	N/A
SPECIFIC TEMPERATURE AT WHICH CHANGES IN PHYSICAL STATE OCCUR :	Sublimation above 1600°C
DECOMPOSITION TEMPERATURE :	Only the sizing is decomposed at a starting temperature of 100°C.
FLASH POINT :	≥ 177°C (sizing only)
EXPLOSION PROPERTIES :	N/A
DENSITY :	Density of the alumina silica : 2,6/cm <sup>3</sup>
SOLUBILITY :	Partial solubility of sizing in water.

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### STABILITY AND REACTIVITY

STABILITY :	Stable in storage conditions mentioned in chapter 7. Stable product, doesn't lead to any dangerous reaction.
POSSIBLE HAZARDOUS REACTIONS : HAZARDOUS DECOMPOSITION PRODUCTS.	When the combustion is kept going, small quantities of CO, CO <sub>2</sub> , may result from the decomposition of the sizing.

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### TOXICOLOGICAL INFORMATION

ACUTE TOXICITY :	N/A
LOCAL EFFECTS :	Handling of continuous alumina silica

SENSITISATION :	filaments may cause temporary skin, eye and upper respiratory irritation.  Possibility of cutaneous sensitisation.
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<b>12</b>	<b>ECOLOGICAL INFORMATION</b>
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PERSISTENCE / DEGRADABILITY :	The product is not biodegradable.
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<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>
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WASTE :	Respect local disposal regulations concerning inert type wastes (dump corresponding to product classified as “non hazardous”).  Respect local regulation concerning packaging material.
PACKAGING :	

<b>14</b>	<b>TRANSPORT INFORMATION</b>
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INTERNATIONAL REGULATIONS :	Continious alumina silica filaments are not considered as dangerous according to transportation regulations and are therefore not subjected to special procedure.
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<b>15</b>	<b>REGULATORY INFORMATION</b>
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* REACH Regulation (Directive 1907/2006)	The REACH Regulation (Directive No. 1907/2006) is based on the law 67/548-EEC of June 1967, supplemented by Ordinance 1999-45-EEC on hazardous substances and preparations.
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	<p>This regulation does not apply to either alumina fiber products, or to finishing and coatings, because it refers only to chemical substances with a harmful and reactivating capacity. This includes hazardous and toxic substances that can cause physical damage, such as explosive substances, oxydizers, highly flammable materials with a flash point below 21 ° C, gas forms that catch fire under normal pressure, toxins that can be absorbed by inhaling or by skin and cause severe damage as well as corrosive substances.</p> <p>Filament fibre products with a diameter of at least 5 micron and the conventional coatings, which have no reactivity up to 55 ° C are, therefore, to our knowledge not to be listed under the REACH Regulation substances.</p>
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<b>16</b>	<b>OTHER INFORMATION</b>
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This data sheet completes technical data sheets but does not replace them.  
The information given in this document corresponds to our knowledge relative to the product at the mentioned date. It is given in good faith.  
Furthermore users attention is drawn to possible risks when the product is used for other purpose than the one for which it was designed.  
In no cases it exempts the user from knowing and applying the texts regulation his activities. He will take sole responsibility for precautions regarding the way he uses the product.

As of : January 2008