

## SOLSATEX™ 4050

### Section 1 - Chemical product and company identification.

Product Name : SOLSATEX™ 4050  
Purpose of the Product : Textile Industry

Supplier : PT Starch Solution Internasional  
*Kawasan Industri Indotaisei  
Kav F-3 Sec 1A, Cikampek, Karawang,  
West Java, Indonesia 41373  
Phone : 62-264-351162, 63, 64  
Fax : 62-264-351481, 82  
Website : <http://www.starch-solution.com>*

### Section 2 – Composition/ Information on ingredients

Substance : Sulphate ester of tapioca starch  
CAS nr. : 11097-99-7  
EINECS nr. : See Section 15

Ingredients contributing to the hazard are absent.

### Section 3 – Hazards identification

The chemical nature of this product does not give occasion to caution against hazards for adverse human health and environmental effects.

### Section 4 – First-aid measures

Because it is inert material, there is no reason to give proper instructions about first aid measures in relation to the product.

### Section 5 - Fire-fighting measures

Extinguishing media : Standard media such as powder, foam or water are suitable.

For the protection of fire-fighters e.g. the standard breathing apparatus should be used.

### Section – 6 Accidental release measures

No special personal and environmental precautions are recommended.

Methods for cleaning up : After spillage or leakage remove the waste in dry form if possible, otherwise flush with plenty of cold water. Wet material on floor surface can be a slipping hazard.



## SOLSATEX™ 4050

### Section – 7 Handling and Storage

Appropriate technical measures should be taken to dispose of dust by ventilation or vacuum cleaning. Anyhow avoid excessive raising dust of loose material. Therefore regular removing deposit of dust is recommended.

Store the product cool and dry, protected against extreme weather conditions. Specific instructions regarding separation from incompatible products are not relevant. Keep the packaging well closed and sound.

### Section – 8 Exposure controls / personal protection

In case of raising dust the use of breathing protection is recommended.

### Section – 9 Physical and chemical properties

Form	: Powder
Color	: White
Odor	: Neutral
pH value	: ~ 7.0 (60 g/l H <sub>2</sub> O, solution)
Bulk density	: ~ 700 kg/m <sup>3</sup>
Solubility in water	: Partly colloidal dispersible in cold water (20 °C) Colloidal dispersible in hot water (> 90 °C)
Change in physical state	: No change in solid state till process of combustion
Flash point	: No development of volatile and inflammable vapors till process of combustion
Explosion properties	: This product has no explosion properties in nature.



## SOLSATEX™ 4050

### Section – 10 Stability and reactivity

This product loses its original microscopically structure of granules by swelling in water during heating from 50 °C.

There is no thermal decomposition if used as directed. In case of complete combustion the decomposition products carbon dioxide (CO<sub>2</sub>) and water (H<sub>2</sub>O) are formed.

### Section 11 – Toxicological information

This product is not toxic and does not contain ingredients which can be considered as such.

### Section 12 – Ecological information

This product is expected to be readily biodegradable and not ecotoxic under normal circumstances.

### Section 13 – Disposal considerations

Taking into consideration the local authority regulations, it may be land filled or incinerated together with household refuse.

### Section 14 – Transport information

This product is not classified as dangerous goods according to the international regulations for transport by land, inland waterways, sea and air.

Further information : This product can be declared as 'starch'.

### Section 15 – Regulatory information

Generally this product is not subjected to the regulations for mandatory marking, however take into consideration the possible existence of local regulation.

As a consequence of the classification rules, polymer products like derivatives of starch don't have an EINECS or ELINCS number. Starch as product or raw material for derivatives of starch has the EINECS number 232-679-6.

## SOLSATEX™ 4050

### Section 16 – Other information

This product is meant to be used for conventional technical applications

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