SAFETY INFORMATION SHEET FOR ARTICLES

THIXOTROPIC AGENT

0. GENERAL INFORMATION

In terms of item 3.3 of the REACH Regulation (EG) No. 1907/2006 these products are articles. They do not contain any substances which are intentionally released under normal or reasonably foreseeable conditions of use. Therefore, there exists no registration requirement for substances in articles in the sense of item 7.1 of the regulation. A safety data sheet for these products must not be provided as according to item 31 such a safety data sheet is only required for dangerous substances and preparations and not for articles. STW has committed itself to provide its customers with appropriate information regarding safe handling and application. A special format is not stipulated.

1. DESIGNATION FOR PRODUCT AND COMPANY

1.1 FIBRE PRODUCT

Presentation	Thixotropic agent
Fibre class	Polyethylene
Chemical designation	HD Polyethylene
Commercial name	Stewathix
Application	Technical application, thixotropic effect

1.2 DESIGNATION OF COMPANY

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2. HAZARDOUS IDENTIFICATION

Classification (1272/2008 EC)	not classified
Label elements	not applicable
Other hazards	none known

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 POLYMER

Polyethylene	CAS-Nr. 9002-88-4
Hydrophilic agent PVA	CAS-Nr. 9002-89-5
Stewathix 100; 200 with silica, highly dispersed, amorphous	CAS-Nr. 112926-00-8

Depending on the type, the fibre product contains up to 3 % water insoluble polyvinylalcohol.

4. FIRST AID MEASURES

General advice	If symptoms persist or if there is any doubt, seek medical advice.
Eyes	Immediately rinse thoroughly with water.
Skin	If skin irritation occurs, wash with soap and water.
Ingestion	Clean mouth with water and drink plenty of water.
Inhalation	Inhale fresh air.

Most important acute and delayed symptoms and effects
In some cases a weak skin irritation was observed (redness, itching). Dust may irritate the respiratory tract and cause bronchitis symptoms.

5. FIRE-FIGHTING MEASURES

5.1 COMBUSTION PROPERTIES

Flash point	approx. 200 °C, product burns in open flame
Auto-ignition temperature	no information
Melting temperature	approx. 132 °C
Decomposition temperature	no information
Explosiveness	not applicable

Dangerous products of combustion
In case of fire, dangerous flue gases depending on temperature and oxygen availability are as follows: carbon monoxide, carbon dioxide and low molecular weight organic decomposition products.

5.2 EXTINGUISHING AGENTS

Suitable	all usual extinguishing agents
Unsuitable	water, if the fire was caused by electrical short circuit

5.3 ADDITIONAL ADVICE

In case of fire-fighting in closed rooms, respiratory equipment must be used which is independent of the ambient air. Electrostatic discharge must be observed.

6. ACCIDENTAL RELEASE MEASURES

6.1 CLEANING MEASURES

Before cleansing, the following sections should be consulted: "Fire-fighting measures" and "Handling and storage". During the cleansing procedure, use appropriate "personal protective equipment". The released product must be carefully collected mechanically. Dust formation must be avoided.

7. HANDLING AND STORAGE

7.1 HANDLING

Avoid fibre fly and fibre dust by aspiration and ventilation. Follow good industrial hygiene practices for ventilation and clean up. Keep away from ignition sources. Beware effects of electrostatic discharge. Work must be done with a good working hygiene and safety technology.

7.2 STORAGE

Storage rooms must be well-ventilated and the material should be stored dry at room temperature in the original packaging. The fibre product should be protected from direct sun exposure.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1 EXPOSURE LIMITS
None

8.2 AVOID FIBRE FLY, FIBRE DUST AND DECOMPOSITION PRODUCTS BY ASPIRATION AND VENTILATION

8.3 PERSONAL PROTECTIVE EQUIPMENT
Eye protection
Appropriate safety measures must be observed (safety glasses).

Respiratory protection
A dust mask must be worn when high dust concentrations occur.

Hygiene measures
Work must be done with a good working hygiene and safety technology.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 APPEARANCE

Form	grinded fibres
Colour	white
Odour	odourless
Density	**Stewathix 100; 200** 1.55 g/cm³ **Stewathix 500; 600** 0.96 g/cm³

See 5.1

10. STABILITY AND REACTIVITY

10.1 CHEMICAL STABILITY
Stable

10.2 CONDITIONS TO AVOID
None

10.3 INCOMPATIBILITY WITH OTHER MATERIALS
Oxidising agents can lead to the decomposition of the molecules.

10.4 DEGRADABILITY
Hazardous decomposition products are carbon dioxide, carbon monoxide and low molecular weight organic decomposition products.

10.5 POLYMERISATION
Polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

11.1 ACUTE TOXICITY

Ingestion	no known effects
Skin contact	no known effects
Inhalation	no known effects

12. ECOLOGICAL INFORMATION

12.1 TOXICITY
The article does not contain substances known to be hazardous for the environment.

12.2 GERMAN WATER POLLUTION CLASS
Not hazardous to water.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE DISPOSAL
The article can be disposed as a non-hazardous waste in a licensed facility, in compliance with local, governmental regulations. EU waste code: 040221 unprocessed textile fibres

14. TRANSPORT INFORMATION

The article is not a hazardous substance in terms of transport regulation.

15. REGULATORY INFORMATION

The article is not a dangerous substance under the terms of national and international regulations and stipulations. No substance safety assessment is required.

16. OTHER INFORMATION

In the sense of REACH the specified fibre products are articles. However, they are not articles which are subject to the regulations of registration according to item 7(1) or item 7(2). The details, given in that safety information sheet for articles refer exclusively to the fibre product described herein and not to its use in combination with any other substance or in another preparation or product or any other process. The safety information sheet for articles shall serve human and environment by providing appropriate information to industrial users.

The information and recommendation contained herein are based upon data believed to be correct. A binding assurance for specific product properties cannot be derived out of this.