

# *Crosfield Textiles Chemicals (I) Pvt. Ltd.*

## **SAFETY DATA SHEET** **(According to 1907/2006/EC)**

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Revised edition no. : 1
DATE - Mar 2015

### **NATURESIZE TT**

#### **1. IDENTIFICATION OF THE SUBSTANCES / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product Name** : **NATURESIZE TT**

**Use of the substance/preparation** : Process aid for industrial application in textile industry

**Manufacturer / Supplier** : H.O. : CROSSFIELD TEXTILE CHEMICALS P. LTD  
29/C, RAJ IND. COMPLEX C.H.SOC. PREMISES  
MAROL MILITORY ROAD, ANDHERI (E)  
MUMBAI - 400 059.

Fact :  
Unit No. A/1-2-3, Bhagwan Seth Estate, (Next to : Arihant Comm. Complex), Village purna, taluka - Bhivandi, dist. Thane.

**Contact** : Customer service : **9525 22646156**  
Email: - crosfield@rediffmail.com Email: - britacel@vsnl.com

**Emergency information** : Emergency Telephone: +91 22 4009 4002

#### **2. HAZARDOUS IDENTIFICATION**

No particular hazards known.

#### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

##### **Chemical nature**

Starch

Modified

Hazardous ingredients

##### **Hydrochloric acid**

Content (W/W): < 1 %

EC-Number: 231-595-7

INDEX-Number: 017-002-01-X

Hazard symbol(s): C

R-phrase(s): 34, 37

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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#### **4. FIRST AID MEASURES**

**General advice:**

**Remove contaminated Clothing.**

- Inhalation : If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.
- Skin contact : Wash thoroughly with soap and water.
- Eye contact : Wash affected eyes for at least 15 minutes under running water with eyelids held open.
- Ingestion : Rinse mouth and then drink plenty of water.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

#### **5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media:** : dry powder, foam
- Unsuitable extinguishing media for safety reasons** : carbon dioxide
- Additional information** : Avoid whirling up the material/product because of the danger of dust explosion.
- Specific hazards** : harmful vapours  
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.
- Special protective equipment** : Wear a self-contained breathing apparatus.

**Further information:**

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** : Avoid dust formation. Use personal protective clothing
- Environmental precautions** : Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
- Methods for cleaning up or taking up** : For small amounts: Pick up with suitable appliance and dispose of.
- For large amounts: Contain with dust binding material and dispose of. Avoid raising dust.

#### 7. HANDLING AND STORAGE

- Storage conditions** : Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.
- Handling precautions** : Breathing must be protected when large quantities are decanted without local exhaust ventilation.
- Protection against fire and explosion** : Avoid dust formation. Take precautionary measures against static discharges.

#### 8. EXPOSURE CONTROL/ PERSONAL PROTECTION

##### Personal Protection



##### Components with workplace control parameters

starch, 9005-25-8;  
TWA value 10 mg/m3 (ACGIHTLV)

##### Personal protective equipment

Respiratory protection : Suitable respiratory protection for lower concentrations or short-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

##### Hand protection:

Chemical resistant protective gloves Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other Supplementary note: The specifications are based on tests, literature data and

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information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g.temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection : Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

#### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	:	powder
Colour	:	white
Odour	:	product specific
pH value	:	6.0 - 8.0 (10 %(m))
Decomposition point:	:	> 200 °C (capillary tube method)
Flammability	:	does not ignite
Ignition temperature	:	> 200 °C (DIN 51794)
Explosion hazard	:	not explosive
Bulk density	:	480 - 530 kg/m <sup>3</sup>
Hygroscopy	:	hygroscopic
Other Information	:	If necessary, information on other physical and chemical parameters is indicated in this section.

#### **10. STABILITY AND REACTIVITY**

Conditions to avoid:

Avoid dust formation. Avoid deposition of dust. Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static charge.

Substances to avoid:

Strong acids, strong bases, strong oxidizing agents

Corrosion to metals: No corrosive effect on metal.

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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### **11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

LD50 rat (oral): > 2,000 mg/kg

#### **Irritation**

Primary skin irritation rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane rabbit: non-irritant (OECD Guideline 405)

#### **Sensitization**

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

#### **Genetic toxicity**

Assessment of mutagenicity:

No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

#### **Carcinogenicity**

Assessment of carcinogenicity:

The whole of the information available provides no indication of a carcinogenic effect.

#### **Reproductive toxicity**

Assessment of reproduction toxicity:

No data for product. No effects anticipated

#### **Other relevant toxicity information**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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### **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

Toxicity to fish:  
LC50 (96 h) > 500 mg/l, *Leuciscus idus*

Microorganisms/Effect on activated sludge:  
EC10 (18 h) 180 mg/l (DIN 38412 Part 8)

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

#### **Mobility**

Assessment transport between environmental compartments:  
No data available.

#### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Elimination information:  
> 90 % DOC reduction (OECD 303A; ISO 11733; 92/69 EEC,V, C.10) Easily eliminated from water.

#### **Bioaccumulation potential**

Assessment bioaccumulation potential:  
Significant accumulation in organisms is not to be expected.  
Discharge into the environment must be avoided.

#### **Other adverse effects**

Adsorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen.

#### **Additional information**

Add. remarks environm. fate & pathway:  
The product has not been tested. The statements on environmental fate and pathway have been derived from products of a similar structure and composition.

Other ecotoxicological advice:  
Do not release untreated into natural waters.

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### **13. DISPOSAL CONSIDERATION**

Must be disposed of or incinerated in accordance with local regulations.  
A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to  
Dependence on the usage.  
Observe national and local legal requirements.

Contaminated packaging:  
Uncontaminated packaging can be re-used.  
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

### **14. TRANSPORT INFORMATION**

**Domestic transport** : Not classified as a dangerous good under transport regulations

**Sea transport IMDG** : Not classified as a dangerous good under transport regulations

**Air transport IATA/ICAO** : Not classified as a dangerous good under transport regulations

### **15. REGULATORY INFORMATION**

#### **Regulations of the European union (Labelling)**

EEC Directives:

The product does not require a hazard warning label in accordance with EC Directives.

#### **Other regulations**

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**16. OTHER INFORMATION**

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

- C Corrosive.
- 34 Causes burns.
- 37 Irritating to respiratory system.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed