



# SAFETY DATA SHEET

Fibersse® ST Polydextrose

## 1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

SUSTANCE/PREPARATION	Polydextrose
TRADE NAME/SYNONYMS	Fibersse® ST Fibersse® ST Polydextrose
CHEMICAL NAME	POLYDEXTROSE
CHEMICAL FAMILY	Polysaccharide
MOLECULAR FORMULA	(C6 H12 O6) <sub>x</sub>
MOLECULAR WEIGHT	A182 to 5,000
CAS#	68424-04-4
EINECS NUMBER	Not reportable
COMPANY:	Runloy Biotech (Shanghai) Co., Ltd Part B, Bldg 2, No. 1880 Hui ren Rd. Waigang Industrial Park, Jiading, Shanghai, China Phone: +86 21 33356505 Fax: +86 21 33356505
EMERGENCY CALL	+86 138 6178 5878

## 2. HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE	According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC [CLP]: Not classified
<b>LABEL ELEMENTS</b>	
SIGNAL WORD:	Not applicable
HAZARD STATEMENTS:	Not applicable
<b>SKIN CONTACT</b>	
SHORT TERM EFFECTS	Not a known sensitiser.
LONG TERM EFFECTS	May cause slight irritation in susceptible individuals.
<b>EYE CONTACT</b>	
SHORT TERM EFFECTS	May cause slight irritation.
LONG TERM EFFECTS	No information available.
<b>INHALATION</b>	
SHORT TERM EFFECTS	No information available.
LONG TERM EFFECTS	Prolonged exposure as a nuisance particle may result in respiratory irritation in susceptible individuals or those with respiratory conditions.
<b>INGESTION</b>	
SHORT TERM EFFECTS	No information is available on significant adverse effects.
LONG TERM EFFECTS	Sensitive individuals may experience a laxative effect from excessive Polydextrose consumption.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS RN	PERCENT
POLYDEXTROSE	68424-04-4	Min. 90.0
1,6 ANHYDRO-D-GLUCOSE (LEVOGLUCOSAN)		Max. 4.0
GLUCOSE	50-99-7	Max. 4.0
SORBITOL	50-70-4	Max. 2.0





#### 4. FIRST AID MEASURES

SKIN CONTACT	If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.
EYE CONTACT	If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
INHALATION	No adverse health effects expected from inhalation.
ANTIDOTES	No specific antidote.

#### 5. FIRE-FIGHTING MEASURES

FIRE CONTROL	Dry chemical, carbon dioxide, water spray or regular foam for larger fires, use water spray, fog or regular foam.
FIRE & EXPLOSION HAZARD	Dust-air mixtures may ignite or explode.
FIRE-FIGHTING	Move container from fire area if possible without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal (1993 Emergency Response Guidebook. RSPA P 5800.6, Guide Page 31). Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapours, keep upwind.

#### 6. ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL	Sweep up or vacuum and place in suitable containers for disposal. Do not flush spilled material into sewer.
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#### 7. HANDLING AND STORAGE

HANDLING	No special requirements, although provision of local exhaust or general dilution ventilation system is recommended.
STORAGE	Store in a cool, dry place, in original containers or in suitable tightly sealed containers. Observe all appropriate regulations when storing this substance.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EXPOSURE CONTROLS**

No permissible exposure limits established by Fibersse, Australia, Belgium, Denmark, France, Germany, United Kingdom (HSE) or United States (ACGIH, OSHA), Japan, China.

**PERSONAL PROTECTION**

**EYE PROTECTION**

It is recommended that employee should wear splash-proof or dust resistant safety goggles to prevent eye contact with this substance.

**EMERGENCY EYE WASH**

Where there is any possibility that an employee's eyes may be exposed to this substance, the employer should provide an eye wash fountain within the immediate work area for emergency use.

**CLOTHING**

Employee should wear appropriate protective clothing and equipment to prevent repeated prolonged skin contact with this substance.

**GLOVES**

Employee should wear appropriate protective gloves to prevent repeated prolonged skin contact with this substance.

**RESPIRATOR**

The following respirators are recommended based on information found in the physical data, toxicity and health effects sections. They are ranked in order from minimum to maximum respiratory protection.

The specific respirator selected must be based on contamination levels found in the work place and the specific operation, and must be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA). Contamination levels in the work place must not exceed the working limits of the respirator

- i) Any dust and mist respirator with a full facepiece.
- ii) Any air-purifying full facepiece respirator with a high-efficiency particulate filter.
- iii) Any powered air-purifying respirator with a tight-fitting facepiece and high-efficiency particulate filter.
- iv) Any type 'C' supplied-air respirator with a full facepiece operated in pressure-demand or other positive pressure mode or with a full facepiece, helmet or hood operated in continuous-flow mode.

**FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS**

- v) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.
- vi) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>		White to cream coloured powder
	Or,	White to cream coloured granulated powder
	Or,	White to cream coloured granulated solid
<b>ORDER</b>		Odorless and bland
<b>ODOUR THRESHOLD</b>		None
<b>TASTE</b>		Slightly sweet
<b>PH OF SOLUTION</b>		2.5 to 7.0 (10% Solution @ 25°C)
<b>MELTING POINT</b>		110°C (230°F) -130°C (266°F)
<b>BOILING POINT:</b>		No Data Available
<b>FLASH POINT:</b>		No data available
<b>EVAPORATION RATE:</b>		N/A
<b>FLAMMABILITY:</b>		N/A
<b>LOWER FLAMMABILITY LIMIT:</b>		459 g/m <sup>3</sup> (13 g/ft <sup>3</sup> )
<b>UPPER FLAMMABILITY LIMIT:</b>		1,412 g/m <sup>3</sup> (40 g/ft <sup>3</sup> )
<b>VAPOUR PRESSURE:</b>		N/A
<b>VAPOUR DENSITY:</b>		N/A
<b>RELATIVE DENSITY:</b>		N/A
<b>WATER SOLUBILITY:</b>		Very soluble (80g/100ml water @ 20°C)
<b>SOLVENT SOLUBILITY:</b>		Sparingly soluble to insoluble in most organic solvents
<b>PARTITION COEFFICIENT:</b>		N/A
<b>AUTOIGNITION TEMPERATURE:</b>		975°C
<b>DECOMPOSITION TEMPERATURE:</b>		N/A
<b>VISCOSITY:</b>		N/A

**10. STABILITY AND REACTIVITY**

<b>CONDITIONS TO AVOID</b>	May burn but does not ignite readily. Avoid contact with strong acids, strong bases, strong oxidisers, excessive heat, sparks or open flame.
<b>REACTIVITY</b>	Stable under normal temperatures and pressures.
<b>INCOMPATIBILITIES</b>	No data available
<b>HAZARDOUS DECOMPOSITION</b>	Carbon oxides
<b>POLYMERISATION</b>	Hazardous polymerisation has not been reported to occur under normal temperatures and pressures

**11. TOXICOLOGY AND INFORMATION**

<b>TOXICITY DATA</b>	Approved for use in food. ADI of "Not Specified" (JECFA). Oral LD <sub>50</sub> (Rat): > 15g/kg bw
<b>CARCINOGEN STATUS</b>	None.
<b>ACUTE TOXICITY LEVEL</b>	Relatively non-toxic by ingestion.
<b>TARGET EFFECTS</b>	No data available.
<b>HEALTH EFFECTS</b>	
<b>INHALATION</b>	ACUTE EXPOSURE - No data available. CHRONIC EXPOSURE - No data available.
<b>SKIN CONTACT</b>	ACUTE EXPOSURE - No data available. CHRONIC EXPOSURE - No data available.
<b>EYE CONTACT</b>	ACUTE EXPOSURE - No data available. CHRONIC EXPOSURE - No data available.
<b>INGESTION</b>	ACUTE EXPOSURE – Approved for food use. Acceptable daily intake of "Not Specified" (JECFA). CHRONIC EXPOSURE – Approved for food use.

ON (1) 10-11-16



**12. ECOLOGICAL INFORMATION**

NEITHER ENVIRONMENTAL HAZARD NOR ADVERSE EFFECT KNOWN OF THIS PRODUCT.

READILY BIODEGRADABLE.

COD (MGO2/G DS) +/- 1100

BOD (MGO2/G DS) +/- 700

WGK CLASS (GERMANY) Not dangerous when coming in contact with water.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL PROCEDURE** Product can be hosed in normal sewage with plenty of hot water. Material is suited to be sent to municipal waste water treatment.

**14. TRANSPORT INFORMATION**

- Not classified as dangerous.
  - \* Land transport ADR/RID and GGVS/GGVE(cross-border/domestic)
  - \*ADR/RID-GGVS/E Class:-
  - \*Maritime transport IMDG/GGVSea:
  - \*IMDG/GGVSea Class: -
  - \*Air transport ICAO-TI and IATA-DGR:
  - \*ICAO/IATA Class: -
  - \*Tansport/Additional information:
- No dangerous goods according to the above specifications.

**15. REGULATORY INFORMATION**

**EUROPEAN UNION CLASSIFICATION AND LABELLING REQUIREMENTS:**

Polydextrose may be labelled as: "polydextrose"  
 Or "bulking agent – polydextrose"  
 Or "bulking agent – E1200"

(Bulking agent definition, Ministry of Agriculture Food Regulations 1995, EC Directive 95/2/EC: "any substance that contributes to the volume of food without contributing significantly to its available energy value"). Manufacturers must use their own discretion regarding the functionality of Polydextrose in the end product and label the product in accordance with the general labelling requirements.

**16. OTHER INFORMATION**

Given the fact that the product is not classified as dangerous good, reference is made to the Product Specification for composition and specific physical and chemical properties.

Compliant as HazCom 2012

Created on September 23, 2016.

Effective on September 23, 2016.

Version: SDS-ST-1600





## Runloy Biotech (Shanghai) Co Ltd - SAFETY DATA SHEET - Fibersse® ST Polydextrose

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