

## MATERIAL SAFETY DATA SHEET

Starch, soluble

## Section 1 - Chemical Product and Company Identification

**MSDS Name:** Starch, soluble

**Catalog Numbers:** 17713-0000, 17713-0010, 17713-2500, 42449-0000, 42449-0020, 42449-0025, 42449-1000, 42449-5000

**Synonyms:**

**Company Identification:** Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

**Company Identification: (USA)** Acros Organics  
One Reagent Lane  
Fair Lawn, NJ 07410

**For information in the US, call:** 800-ACROS-01

**For information in Europe, call:** +32 14 57 52 11

**Emergency Number, Europe:** +32 14 57 52 99

**Emergency Number US:** 201-796-7100

**CHEMTREC Phone Number, US:** 800-424-9300

**CHEMTREC Phone Number, Europe:** 703-527-3887

## Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
9005-84-9	Starch		232-686-4

**Hazard Symbols:** None listed**Risk Phrases:** None listed

## Section 3 - Hazards Identification

## EMERGENCY OVERVIEW

*Not available*

## Potential Health Effects

**Eye:** May cause eye irritation.**Skin:** May cause skin irritation. Low hazard for usual industrial handling.**Ingestion:** May cause irritation of the digestive tract. Low hazard for usual industrial handling.**Inhalation:** May cause respiratory tract irritation. Low hazard for usual industrial handling.**Chronic:**

## Section 4 - First Aid Measures

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.  
**Inhalation:** Remove from exposure and move to fresh air immediately.  
**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.  
**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.  
**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container.

### Section 7 - Handling and Storage

**Handling:** Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.  
**Storage:** Store in a cool, dry place. Store in a tightly closed container.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits**

CAS# 9005-84-9:

Netherlands: 10 mg/m<sup>3</sup> MAC

**Personal Protective Equipment**

**Eyes:** Wear chemical splash goggles.  
**Skin:** Wear appropriate protective gloves to prevent skin exposure.  
**Clothing:** Wear appropriate protective clothing to prevent skin exposure.  
**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

**Physical State:** Powder

**Color:** white

**Odor:** odorless

**pH:** 5.0-7.0 (2% aq. solution.)

**Vapor Pressure:** Not available

**Viscosity:** Not available

**Boiling Point:** Not available

**Freezing/Melting Point:** 256 - 258 deg C

**Autoignition Temperature:** Not available

**Flash Point:** Not available

**Explosion Limits: Lower:** Not available

**Explosion Limits: Upper:** Not available

**Decomposition Temperature:** Not available

**Solubility in water:** 50 g/l (90°C)  
**Specific Gravity/Density:**  
**Molecular Formula:** (C6H10O5)<sub>n</sub>  
**Molecular Weight:**

### Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.  
**Conditions to Avoid:** Incompatible materials.  
**Incompatibilities with Other Materials** Oxidizing agents.  
**Hazardous Decomposition Products** Carbon monoxide, carbon dioxide.  
**Hazardous Polymerization** Will not occur.

### Section 11 - Toxicological Information

**RTECS#:** CAS# 9005-84-9: None listed  
**LD50/LC50:** RTECS: Not available.  
**Carcinogenicity:** Starch - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
**Other:** The toxicological properties have not been fully investigated.

### Section 12 - Ecological Information

Not available

### Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

### Section 14 - Transport Information

	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>
<b>Shipping Name:</b>	Not regulated as a hazardous material	Not regulated as a hazardous material	Not regulated as a hazardous material
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

### Section 15 - Regulatory Information

#### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 9005-84-9: 0

Canada

CAS# 9005-84-9 is listed on Canada's DSL List

#### US Federal

TSCA

CAS# 9005-84-9 is listed on the TSCA Inventory.

### Section 16 - Other Information

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**MSDS Creation Date:** 7/16/1996

**Revision #1 Date** 12/15/2004

**Revisions were made in Sections:** General revision.

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