Corn Starch

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name : **Corn Starch**

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: **S25580**

Recommended uses of the product and restrictions on use:

Manufacturer Details:

AquaPhoenix Scientific, Inc
9 Barnhart Drive, Hanover, PA 17331
(717) 632-1291

Supplier Details:

Fisher Science Education
6771 Silver Crest Road, Nazareth, PA 18064
(724)517-1954

Emergency telephone number:

Fisher Science Education Emergency Telephone No.: 800-535-5053

SECTION 2 : Hazards identification

Classification of the substance or mixture:

May form combustible dust concentrations in air.

Signal word :Warning

Hazard statements:
Precautionary statements:

Other Non-GHS Classification:

WHMIS
NFPA/HMIS

NFPA SCALE (0-4) HMIS RATINGS (0-4)

SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 9005-25-8	Starch, Potato, Reagent Grade	>90 %
		Percentages are by weight

SECTION 4 : First aid measures

Description of first aid measures

After inhalation: Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen.Consult a physician.

After skin contact: Wash hands and exposed skin with soap and plenty of water. Consult a physician.

After eye contact: Flush eyes with water as a precaution.

After swallowing: Never give anything by mouth to an unconscious person.Rinse mouth with water.Consult a physician.

Most important symptoms and effects, both acute and delayed:

Irritation.Headache.Shortness of breath.Nausea.;

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5 : Firefighting measures

Extinguishing media

Suitable extinguishing agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.Do not inhale gases, fumes, dust, mist, vapor, and aerosols.

For safety reasons unsuitable extinguishing agents:

Special hazards arising from the substance or mixture:

Carbon oxides may be released.

Advice for firefighters:

Protective equipment: Wear protective eyeware, gloves, and clothing. Refer to Section 8.

Additional information (precautions): Avoid generating dust.

SECTION 6 : Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.Ensure that dust-handling systems (exhaust ducts, dust collectors, vessels, and processing equipment) are designed to prevent the escape of dust into the work area.

Environmental precautions:

Prevent from reaching drains, sewer, or waterway. Should not be released into environment.

Methods and material for containment and cleaning up:

Sweep up and containerize for disposal. Avoid generating dust. Always obey local regulations.Sweep up and shovel.Keep in suitable closed containers for disposal.Follow proper disposal methods. Refer to Section 13.

Reference to other sections:

SECTION 7 : Handling and storage

Precautions for safe handling:

Further processing of solid materials may result in the formation of combustible dusts.The potential for combustible dust formation should be taken into consideration before additional processing occurs.Provide appropriate exhaust ventilation at places where dust is formed. For precautions refer to Section 2.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, dry, and well-ventilated area. Store away from incompatible materials. Refer to Sections 5 and 10.

SECTION 8 : Exposure controls/personal protection

Control Parameters:	9005-25-8, High-polymeric carbohydrate material, 10 mg/m3 USA. ACGIH Threshold Limit Values (TLV) 9005-25-8, High-polymeric carbohydrate material, 15 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants 9005-25-8, High-polymeric carbohydrate material, 5 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants 9005-25-8, High-polymeric carbohydrate material, 5 mg/m3 USA. NIOSH Recommended Exposure Limits 9005-25-8, High-polymeric carbohydrate material, 10 mg/m3 USA. NIOSH Recommended Exposure Limits
Appropriate Engineering controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Respiratory protection:	Normal ventilation is adequate.Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls.When necessary use NIOSH approved breathing equipment.
Protection of skin:	Select glove material impermeable and resistant to the substance.Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Eye protection:	Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).Safety glasses or goggles.
General hygienic measures:	Perform routine housekeeping to prevent dust generation.Do not eat, drink, smoke, or use personal products when handling chemical substances.Wash hands before breaks and immediately after handling the product.

SECTION 9 : Physical and chemical properties

Appearance (physical state,color):	White solid	**Explosion limit lower**: **Explosion limit upper**:	Not Available Not Available
Odor:	Not Available	**Vapor pressure**:	Not Available
Odor threshold:	Not Available	**Vapor density**:	Not Available
pH-value:	Not Availablen	**Relative density**:	Not Available
Melting/Freezing point:	Not Available	**Solubilities**:	
Boiling point/Boiling range:	Not Available	**Partition coefficient (n-octanol/water)**:	Not Available
Flash point (closed cup):	Not Available	**Auto/Self-ignition temperature**:	Not Available
Evaporation rate:	Not Available	**Decomposition temperature**:	Not Available

Flammability (solid,gaseous):	May form combustible dust concentrations in air.	**Viscosity**:	a. Kinematic:Not Available b. Dynamic: Not Available
Density: Not Available			

SECTION 10 : Stability and reactivity

Reactivity: None under normal processing.
Chemical stability: Stable under normal conditions.
Possible hazardous reactions:
Conditions to avoid: Dust generation. Incompatible materials.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products:

SECTION 11 : Toxicological information

Acute Toxicity:		
Oral:	9005-25-8	LD50 Intraperitoneal - Mouse - 6,600 mg/kg
Chronic Toxicity: No additional information.		
Corrosion Irritation:		
Dermal:	9005-25-8	Skin - Human Result: Mild skin irritation - 3 h
Sensitization:		No additional information.
Single Target Organ (STOT):		No additional information.
Numerical Measures:		No additional information.
Carcinogenicity:		No additional information.
Mutagenicity:		No additional information.
Reproductive Toxicity:		No additional information.

SECTION 12 : Ecological information

Ecotoxicity Persistence and degradability:
Bioaccumulative potential:
Mobility in soil:
Other adverse effects:

SECTION 13 : Disposal considerations

Waste disposal recommendations:

Offer surplus and non-recyclable solutions to a licensed disposal company.Contact a licensed professional waste disposal service to dispose of this material.Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification.

SECTION 14 : Transport information

UN-Number

Not Regulated

UN proper shipping name

Not Regulated

Transport hazard class(es)
Packing group:Not Regulated
Environmental hazard:
Transport in bulk:
Special precautions for user:

SECTION 15 : Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

None of the ingredients is listed

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients is listed

RCRA (hazardous waste code):

None of the ingredients is listed

TSCA (Toxic Substances Control Act):

9005-25-8 Not Regulated.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed

Chemicals known to cause developmental toxicity:

None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):

9005-25-8 Not Regulated.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients is listed

SECTION 16 : Other information

GHS Full Text Phrases:

Abbreviations and acronyms:

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