

# Safety Data Sheet

## Micromark 20 Spray Powder

MSDS Number: MM20

Revision Date: 3/13/2015

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

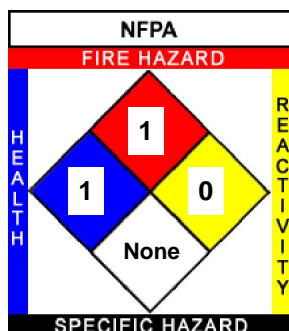
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### 2 HAZARDS IDENTIFICATION

**Route of Entry:** Skin; Eyes; Inhalation; Ingestion;  
**Target Organs:** None Known  
**Inhalation:** Minimal respiratory tract irritation may occur with exposure to a large amount of material.  
**Skin Contact:** May cause irritation.  
**Eye Contact:** Particulate may scratch eye surfaces/cause mechanical irritation  
**Ingestion:** Low hazard in normal industrial use.

NFPA: Health = 1, Fire = 1, Reactivity = 0  
HMIS III: H1/F1/PH0



HMIS III	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION A   Safety Glasses	

Nuisance dust with the possibility of dust explosion. Avoid creating a significant dust cloud.

There are no health or environmental hazards. This is manufactured from edible products.

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### 3 COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients:

Cas #	Percentage	Chemical Name
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9005-25-8	95-100%	Starch
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### 4 FIRST AID MEASURES

**Inhalation:** Drinking of plenty of liquids is recommended. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

**Skin Contact:** Not a direct hazard. Wash with soap and water.

**Eye Contact:** Flush with large amounts of lukewarm water until irritation subsides. If irritation persists, seek medical attention.

**Ingestion:** Not a direct hazard.

Always have plenty of water available for first aid. Seek medical attention if any symptoms develop or persist.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** Not applicable  
**Autoignition Temp:** 390 C (750 F)  
**LEL:** NA  
**UEL:** NA

Dry powder, foam, carbon dioxide, water mist. There are no special requirements referring to the same substance, the combustion products or gases. Follow the standard extinguishing procedure for chemicals.

When extinguishing a fire involving powders, avoid creating a dust cloud that may pose an explosion hazard.

Fire and Explosion Hazards: Minimum ignition temperature of dust cloud - approximately 390 C.  
Minimum energy to ignite cloud by electrical spark - approximately 0.10 joules.

### 6 ACCIDENTAL RELEASE MEASURES

There are no health or environmental hazards. This is manufactured from edible products.

Normal precautions for "Nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or use explosion/spark proof vacuum and place in suitable container for disposal.

Waste disposal should be in accordance with existing Federal, State and Local environmental regulations.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Keep material out of reach of children.  
Wash thoroughly after handling. Consider normal working hygiene.  
Avoid creating a dust cloud which could become an explosion hazard.

**Storage Requirements:** Store in cool/dry area off of concrete.

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### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** All mechanical ventilation should be explosion proof and designed in accordance with OSHA standard (29 CFR 1910.94).

**Personal Protective Equip:** Dust mask or respirator;

### 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White powder

**Physical State:** Solid

**pH:** 5.5 - 7.5 when mixed in starch slurry.

**Odor:** Starch odor

**Solubility:** Soluble in hot water

**Percent Volatile:** None

**VOC:** 0

**Bulk Density:** approx ca.0.5 g/cc

### 10 STABILITY AND REACTIVITY

**Stability:** Product is stable under normal conditions.

**Conditions to Avoid:** Protect against moisture, heat, flames, ignition sources, electrostatic discharge, dust accumulations. Avoid creating substantial dust clouds.

**Hazardous Decomposition:** Carbon dioxide, nitrogen, carbon monoxide and water may form when heated to decomposition.

### 11 TOXICOLOGICAL INFORMATION

This product is not classified as a toxic substance.

### 12 ECOLOGICAL INFORMATION

Low - material contributes slightly to effluent BOD.

### 13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with Federal, State and Local regulations.

### 14 TRANSPORT INFORMATION

DOT Class: Not regulated

Carry in dry and clean transportation means which should also protect from damage.

D.O.T. Shipping name: Modified Starch

Class: Non-Hazardous

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### REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Starch (9005258 >98%) MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List  
OSHA = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level

Chemical Inventory Status: (Carbohydrate)

TSCA: Yes

EC: Yes

Japan: Yes

Australia: Yes

Korea: Yes

DSL: Yes

NDSL: Yes

Phil.: Yes

Chemical Weapons Convention: No TSCA 12(b) NO CDTA: No

SARA 311/312 Acute: No Chronic: No Fire: No Pressure: No Reactivity: No

Prop 65: This material does not contain chemicals known to the state of California to cause cancer.

RCRA 409 CFR: N/A

WHMIS Classification: None

EINECS: All of the components of this product are included on EINECS,

EU Classification:

EU Risk(R) and (S) Phrases:

R 36 Irritating to Eyes

R 38 Irritating to Skin

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### OTHER INFORMATION

Label Requirements: Warning! Nuisance dust could cause combustible dust explosion.

#### Disclaimer:

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