



## Hydroxyethyl Cellulose

## MSDS

### SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Hydroxyethyl Cellulose
<b>Other Means of Identification</b>	Cellulose 2-hydroxyethyl ether
<b>Product Code(s)</b>	HY3010, HY3015
<b>Product Family</b>	Organic solid
<b>Recommended Use</b>	Industrial.
<b>Restrictions on Use</b>	None known.
<b>Supplier Identifier</b>	BOTANIC PLANET CANADA INC. 2 BRAM COURT UNIT 3-4 BRAMPTON ONTARIO CANADA
<b>Emergency Phone No.</b>	CANUTEC CANADA, 613-996-6666, 24 Hours
<b>SDS No.</b>	1090

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

#### Classification

Combustible dust - Category 1

#### Label Elements

Signal Word:  
Warning

#### Hazard Statement(s):

May form combustible dust concentrations in air.

#### Other Hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Hydroxyethylcellulose	9004-62-0	$\geq 86.0 - \leq 100.0$	Cellulose 2-hydroxyethyl ether	
Sodium acetate	127-09-3	$\leq 7.5$	Acetic acid sodium salt	

### SECTION 4. FIRST-AID MEASURES

First-aid Measures

### **Inhalation**

Move to fresh air. If experiencing respiratory symptoms (e.g. coughing, shortness of breath, wheezing), call a Poison Centre or doctor.

### **Skin Contact**

Rinse with lukewarm, gently flowing water for 5 minutes.

### **Eye Contact**

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

### **Ingestion**

Do not induce vomiting. Immediately call a Poison Centre or doctor.

### **First-aid Comments**

Get medical advice or attention if you feel unwell or are concerned.

### **Most Important Symptoms and Effects, Acute and Delayed**

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Identification) and Section 11 (Toxicological Information) of this SDS.

### **Immediate Medical Attention and Special Treatment**

#### **Special Instructions**

General advice, consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

#### **Unsuitable Extinguishing Media**

None known.

### **Specific Hazards Arising from the Product**

Combustible dust. May form combustible dust concentration in air. Heating increases the release of toxic vapour. In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide.

### **Special Protective Equipment and Precautions for Fire-fighters**

Dust explosion hazard. Use water spray or fog to prevent dust formation and minimize risk of explosion. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Knock down vapours or gases with water fog or fine water spray. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles. Dike and recover contaminated water for appropriate disposal. Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Material becomes slippery when wet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources if safe to do so. Remove or isolate incompatible materials as well as other hazardous materials.

### **Environmental Precautions**

Do not allow into any sewer, on the ground or into any waterway.

### **Methods and Materials for Containment and Cleaning Up**

Avoid generating dust. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal.

## **SECTION 7. HANDLING AND STORAGE**

### Precautions for Safe Handling

Avoid generating dusts. Only use where there is adequate ventilation. Prevent accidental contact with incompatible chemicals. Electrically bond and ground equipment. Ground clips must contact bare metal. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

### Conditions for Safe Storage

Store in an area that is: dry, out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity). Store in a closed container.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Hydroxyethylcellulose	Not established		Not established			
Sodium acetate	Not established		Not established			

Consult local authorities for provincial exposure limits. Consult local authorities for state exposure limits.

### Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Not required, if used as directed.

#### Respiratory Protection

Not normally required if product is used as directed. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

Appearance	White powder. Absorbs moisture from the air.
Odour	Odourless
Odour Threshold	Not available
pH	6.0 - 7.0
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	1.3
Solubility	Soluble in water; Not available (in other liquids)

<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	> 400 °C (752 °F)
<b>Decomposition Temperature</b>	135 °C (275 °F)
<b>Viscosity</b>	Not available (kinematic); Not available (dynamic)
<b>Other Information</b>	
<b>Physical State</b>	Solid

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

No reactivity test data was located.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

High temperatures. Open flames, sparks, static discharge, heat and other ignition sources. Moisture. Temperatures above 200.0 °C (392.0 °F)

### Incompatible Materials

Oxidizing agents (e.g. peroxides).

### Hazardous Decomposition Products

Decomposition products depend upon temperature, air supply and the presence of other materials.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Hydroxyethylcellulose	Not available	Not available	Not available
Sodium acetate	> 30 mg/L (rat)	6900 mg/L (mouse)	> 10000 mg/kg (rabbit)

### Skin Corrosion/Irritation

No adverse effects due to skin contact are expected.

### Serious Eye Damage/Irritation

Non irritating to slight transient irritation.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May cause nose and throat irritation.

#### Ingestion

May cause irritation of the mouth, throat and stomach. Expected to be a low ingestion hazard.

### Aspiration Hazard

Not known to be an aspiration hazard.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

#### **Respiratory and/or Skin Sensitization**

No information was located for respiratory sensitization. Not known to be a skin sensitizer.

#### **Carcinogenicity**

<b>Chemical Name</b>	<b>IARC</b>	<b>ACGIH®</b>	<b>NTP</b>	<b>OSHA</b>
Hydroxyethylcellulose	Not Listed	Not designated	Not Listed	Not Listed
Sodium acetate	Not evaluated	Not Listed	Not Listed	Not Listed

#### **Reproductive Toxicity**

##### **Development of Offspring**

Does not cause harm to the unborn child.

##### **Sexual Function and Fertility**

Does not cause effects on sexual function or fertility.

##### **Effects on or via Lactation**

No information was located.

#### **Germ Cell Mutagenicity**

Not known to be a mutagen.

#### **Interactive Effects**

No information was located.

## **SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

#### **Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

## **SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## **SECTION 15. REGULATORY INFORMATION**

#### **Safety, Health and Environmental Regulations**

##### **Canada**

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL.

##### **USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

## **SECTION 16. OTHER INFORMATION**

**Date of Preparation** September 14, 2017

**Date of Last Revision** April 06, 2018

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
GESTIS Substance Database (included by CCOHS).

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BOTANIC PLANET CANADA INC.  
2 BRAM COURT UNIT 3-4 BRAMPTON ONTARIO CANADA  
[www.botanicplanet.ca](http://www.botanicplanet.ca)

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