

# Safety Data Sheet

Date of Preparation: 11/9/2016

## HYDROXYETHYL CELLULOSE

### Section 1 - Chemical Product and Company Identification

#### WEGO CHEMICAL GROUP

239 Great Neck Road - Great Neck, NY 11021 - USA

Tel: +1 (516) 487 3510 - Fax: +1 (516) 487 3794

[sales@wegochem.com](mailto:sales@wegochem.com) - [wegochem.com](http://wegochem.com)

**Product/Chemical Name:** Hydroxyethyl cellulose

**Chemical Formula:**

**CAS Number:** 9004-62-0

**Other Designations:** HEC

**Emergency Telephone:** 1-888-255-3924 (Chem Tel domestic); 1-813-248-0585 (Chem Tel international)

### Section 2 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆  
May cause eye, skin, and respiratory tract irritation!

| HMIS                   |   |
|------------------------|---|
| <b>H</b>               | 1 |
| <b>F</b>               | 1 |
| <b>R</b>               | 0 |
| <b>PPE<sup>†</sup></b> |   |
| <sup>†</sup> Sec. 8    |   |

#### Potential Health Effects

##### Target Organs:

**Primary Entry Routes:** Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

##### GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

**Signal word:** None

**Hazard Statement(s):** None

**Pictogram(s) or Symbol(s):** None

**Precautionary Statement(s):** None

**Hazards not otherwise classified (HNOC) or not covered by GHS - none**

##### Acute Effects

**Eye:** Causes eye irritation.

**Skin:** Causes skin irritation. May be harmful if absorbed through the skin.

**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.

**Inhalation:** Causes respiratory tract irritation. May be harmful if inhaled.

**Chronic:** No information found.

**Carcinogenicity:** IARC, NTP, ACGIH, OSHA and CA Prop 65 do not list Hydroxyethyl cellulose as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

### Section 3 - Composition / Information on Ingredients

| CAS#      | Chemical Name          | Percent | EINECS/ELINCS |
|-----------|------------------------|---------|---------------|
| 9004-62-0 | Hydroxyethyl cellulose |         |               |

##### Appearance/General Info:

| Chemical Name          | ACGIH       | NIOSH       | OSHA - Final PELs |
|------------------------|-------------|-------------|-------------------|
| Hydroxyethyl cellulose | None listed | None listed | None listed       |

### Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** If swallowed, get medical aid immediately. Only induce vomiting if directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Notes to Physician:** Treat symptomatically and supportively.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

## Section 5 - Fire-Fighting Measures

**Flash Point:** Not applicable

**Autoignition Temperature:** Not applicable

**LEL:** vol%

**UEL:** vol %

**Flammability Classification:** Solid which exhibits difficult combustion or is difficult to ignite.

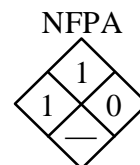
**Extinguishing Media:** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**Unusual Fire or Explosion Hazards:**

**Hazardous Combustion Products:** Irritating and toxic fumes and gases.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face-piece operated in pressure-demand or positive-pressure mode.



## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Eliminate all ignition sources. Ventilate area.

**Small Spills:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section.

**Large Spills**

**Containment:** For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Avoid generating dusty conditions. Provide ventilation.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

**Storage Requirements:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

*Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

Physical State: Granular free flowing powder

Color: White to beige

Odor: Characteristic

pH: no data available

Vapor Pressure: no data available

Vapor Density: no data available

Evaporation Rate: no data available

Viscosity: no data available

Boiling Point: no data available

Freezing/Melting Point: 288 - 290 °C (550 - 554 °F)

Decomposition Temperature: no data available

Solubility in water: soluble

Specific Gravity/Density: 0.60 @ 78 °F

Molecular Formula: no data available

Molecular Weight: no data available

## Section 10 - Stability and Reactivity

**Stability:** Hydroxyethyl cellulose is stable at room temperature in closed container under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization has not been reported.

**Chemical Incompatibilities:** Incompatible with dust generation, excess heat, exposure to moist air or water.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat, strong oxidants.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Hydroxyethyl cellulose can produce carbon dioxide and carbon monoxide gases.

## Section 11- Toxicological Information

### Toxicity Data:\*

Draize test, rabbit, eye:

Oral, rat: LD50 = mg/kg;

Skin, rat: LD50 mg/kg;

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: No information available.

\* See NIOSH, RTECS( ), for additional toxicity data.

## Section 12 - Ecological Information

**Toxicity:** no data available

**Persistence and degradability:** no data available

**Bioaccumulative potential:** no data available

**Mobility in soil:** no data available

## Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations

**Disposal Regulatory Requirements:**

**Container Cleaning and Disposal:**

## Section 14 - Transport Information

### Not regulated for transportation

|  |  |
|--|--|
| <b>US DOT</b> (49 CFR 172.101):<br>UN Number:<br>PSN:<br>Hazard Class:<br>Packing Group: | <b>IATA</b><br>UN Number:<br>PSN:<br>Hazard Class:<br>Packing Group:     |
| <b>TDG</b><br>UN Number:<br>PSN:<br>Hazard Class:<br>Packing Group:                      | <b>IMDG/IMO</b><br>UN Number:<br>PSN:<br>Hazard Class:<br>Packing Group: |

## Section 15 - Regulatory Information

### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: O C

Risk Phrases:

R 34 Causes burns.

R 8 Contact with combustible material may cause fire.

Safety Phrases:

S 3 Keep in a cool place.

S 28 After contact with skin, wash immediately with water

S 36/39 Wear suitable protective clothing and eye/face protection

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 9004-62-0 Not available

Canada

CAS# 9004-62-0 is listed on Canada's DSL List

Canadian WHMIS Classifications:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 9004-62-0 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 9004-62-0 is listed on the TSCA Inventory.

## Section 16 - Other Information

**Disclaimer:** All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. WEGO CHEMICAL GROUP DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.