# **HALLIBURTON**

# MATERIAL SAFETY DATA SHEET

**Product Trade Name: CleanWG** 

**Revision Date:** 20-Feb-2014 **Revision Number: 5** 

# 1. Product and Company Identification

**Product Identifier** 

CleanWG **Product Trade Name:** Synonyms: None Carbohydrate **Chemical Family:** Internal ID Code HM007081

**Product Use** 

**Application:** Gelling Agent

**Manufacturer's Name and Contact Details** 

Name and Address Halliburton Energy Services

645 - 7th Ave SW Suite 2200

Calgary, AB T2P 4G8 Canada

**Emergency Telephone Number** (281) 575-5000

**Prepared By** Chemical Compliance

Telephone: 1-580-251-4335

e-mail: fdunexchem@halliburton.com

# 2. Hazard(s) Identification

WHIMIS Classification

**Un-Controlled WHMIS Hazard Class** 

WHMIS Symbol(s)

# Summary of hazards of the product

**Hazard Overview** May cause mild eye, skin, and respiratory irritation. Organic dust in the presence

of an ignition source can be explosive in high concentrations. Good housekeeping

practices are required to minimize this potential.

# 3. Composition/information on Ingredients

Substances	CAS Number		HMIRA Registry Number	Filing Date
Contains no hazardous substances	Mixture	60 - 100%	Not applicable	Not applicable

4. Final aid managemen
4. First aid measures

Description of first aid measures

**Inhalation**If inhaled, remove from area to fresh air. Get medical attention if respiratory

irritation develops or if breathing becomes difficult.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15

minutes and get medical attention if irritation persists.

**Skin** Wash with soap and water. Get medical attention if irritation persists.

**Ingestion** Do NOT induce vomiting. Give nothing by mouth. Obtain immediate medical

attention.

### Most important symptoms and effects, both acute and delayed

No significant hazards expected.

### Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

### 5. Fire Fighting Measures

#### **Extinguishing media**

#### **Suitable Extinguishing Media**

Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons

None known.

### Special hazards arising from the substance or mixture

### **Special Exposure Hazards**

Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

#### Advice for firefighters

### **Special Protective Equipment for Fire-Fighters**

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

#### **Hazardous combustion products**

Carbon monoxide and carbon dioxide.

### 6. Accidental release measures

### Personal precautions and emergency producedures

#### **Protective Equipment**

Avoid creating and breathing dust. Slippery when wet.

### **Environmental Precautionary Measures**

None known.

### **Procedure for Cleaning / Absorption**

Scoop up and remove.

### 7. Handling and Storage

### Precautions for safe handling

Wash hands after use. Launder contaminated clothing before reuse. Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust. Avoid dust accumulations. Slippery when wet. Ground and bond containers when transferring from one container to another.

#### Conditions for safe storage and Incompatible materials for storage

Store in a well ventilated area. Store away from oxidizers. Keep container closed when not in use. Store in a cool, dry location. Keep from heat, sparks, and open flames. Product has a shelf life of 24 months.

# 8. Exposure Controls/Personal Protection

### **Occupational Exposure Limits**

**Exposure Limits** 

Substances	CAS Number	ACGIH TLV-TWA	OSHA PEL-TWA
Contains no hazardous	Mixture	Not applicable	Not applicable
substances			

### Appropriate engineering controls

**Engineering Controls** 

A well ventilated area to control dust levels. Local exhaust ventilation should be used in areas without good cross ventilation.

### **Personal Protective Equipment (PPE)**

Respiratory Protection

If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.

Not normally needed. But if significant exposures are possible then the following

respirator is recommended:

Dust/mist respirator. (N95, P2/P3)

**Hand Protection** Normal work gloves. **Skin Protection** Normal work coveralls.

**Eye Protection** Wear safety glasses or goggles to protect against exposure. **Other Precautions** Eyewash fountains and safety showers must be easily accessible.

### 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Powder Color: White to off white

Odor: Odorless Odor Threshold: No information available

Property Values
Remarks/ - Method

pH: 6.5-8 (1%)

pH Concentration of Solution:

Freezing Point/Range

Melting Point/Range

Boiling Point/Range (C):

Flash Point/Range (C):

No information available.

Autoignition Temperature (C): > 370

Flammability Limits in Air - Lower (%):

Flammability Limits in Air - Upper (%):

Evaporation Rate (Butyl Acetate=1):

Vapor Pressure @ 20 C (mmHg):

Vapor Density (Air=1):

No information available.

No information available.

No information available.

Specific Gravity @ 20 C (Water=1):

Solubility in Water (g/100ml): Forms gel

Solubility in other solvents

Partition Coefficient/n-Octanol/Water:

Decomposition Temperature (C):

Viscosity

Explosive Properties

Oxidizing Properties

No information available.

Other Information

Molecular Weight (g/mole): No information available.

VOC Content (%)

No information available

### 10. Stability and Reactivity

Conditions of Reactivity

Conditions to Avoid None anticipated Hazardous Polymerization: Will Not Occur

Chemical Stability

Stable

Sensitivity to Static Discharge

Not available

**Sensitivity to Mechanical Impact** 

Not available

Incompatible materials

Strong oxidizers.

**Hazardous Decomposition Products** 

Carbon monoxide and carbon dioxide.

## 11. Toxicological Information

Routes of entry

Eye or skin contact, inhalation.

Information on Toxicological Effects

Acute effects from exposure

**Inhalation** May cause mild respiratory irritation. In high air concentrations: May impede respiration.

**Eye Contact** May cause mild eye irritation.

**Skin Contact** Prolonged or repeated contact may cause skin irritation.

**Ingestion** None known

**Chronic effects from exposure** 

Chronic Effects/Carcinogenicity No data available to indicate product or components present at greater than 1% are chronic

health hazards.

Irritancy of product

Irritation Non-irritating to the skin Non-irritating to the eye

Sensitization of product

Sensitization Not confirmed to cause skin or respiratory sensitization.

Mutagenicity

Mutagenic Effects Not regarded as mutagenic

Carcinogenicity

Carcinogenic Effects No ingredient of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA.

Reproductive Toxicity

Reproductive Toxicity

This product does not contain any known or suspected reproductive hazards

Teratogenicity/embryotoxicity

Teratogenic Not a confirmed teratogen or embryotoxin.

Toxicologically synergistic material Not available

### **Acute Toxicity**

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Contains no hazardous	Mixture	No data available	No data available	No data available
substances				

## 12. Ecological Information

**Toxicity** 

**Ecotoxicity Effects** 

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity for Invertebrates
Contains no hazardous substances	Mixture	No information available	No information available	No information available	No information available

### Persistence and Degradability

Readily biodegradable

### Bioaccumlation potential

Does not bioaccumulate

### Mobility in soil

No information available

#### Results of PBT and vPvB assessment

No information available.

### Other adverse effects

### **Endocrine Disruptor Information**

This product does not contain any known or suspected endocrine disruptors

### 13. Disposal Considerations

**Disposal Method**Bury in a licensed landfill according to federal, state, and local regulations.

**Contaminated Packaging** Follow all applicable national or local regulations.

### 14. Transport Information

**Canadian TDG** 

UN Number: Not restricted.
UN Proper Shipping Name: Not restricted
Transport Hazard Class(es): Not applicable

IATA/ICAO

UN Number: Not restricted.
UN Proper Shipping Name: Not restricted
Transport Hazard Class(es): Not applicable

IMDG/IMO

UN Number: Not restricted.
UN Proper Shipping Name: Not restricted
Transport Hazard Class(es): Not applicable

Special Precautions for User None

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### 15. Regulatory Information

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

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory or are exempt.

WHMIS Hazard Class Un-Controlled

WHMIS Symbol(s)

US Regulations

US TSCA Inventory

All components listed on inventory or are exempt.

### 16. Other Information

**Preparation Information** 

Prepared By Chemical Compliance

Telephone: 1-580-251-4335

e-mail: fdunexchem@halliburton.com

Revision Date: 20-Feb-2014

Not applicable

**Additional information** For additional information on the use of this product, contact your local Halliburton

representative.

For questions about the Safety Data Sheet for this or other Halliburton products,

contact Chemical Compliance at 1-580-251-4335.

Key or legend to abbreviations and acronyms

WHMIS: Workplace Hazardous Materials Information System

Key literature references and sources for data

www.ChemADVISOR.com/

### **Disclaimer Statement**

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\*\*\*END OF MSDS\*\*\*