

A HUBER COMPANY

**According to (EC) No 1907/2006 (REACH)  
(EU) No 453/2010**

**Issue Date:** 20/Sep/2011

**REVISION NUMBER:** 1.1

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**Product Name:** Kwik-Seal® NS Regular

**Chemical Name** wood fiber blend

**Product Use** Lost circulation material

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## **SECTION 2: Hazards identification**

**Classification** EC 1272/2008: Not Classified  
EC 1999/45: Not Classified

**Label Element(s):** None

**Signal Word(s)** None

Wet material on walking surfaces is slippery  
Avoid dust formation.  
Keep away from heat, flame sparks and other ignition sources.

## **SECTION 3: Composition/information on ingredients**

COMPONENT(S) / CAS	EC / REACH	EU CLP Classification
Wood, wood fibers, ground hulls or shells Not applicable	Exempt *	Not Classified
Mica 12001-26-2	Exempt *	Not Classified

Wood, wood fibers, ground hulls or shells - Not applicable

Regulation (EC) 1907/2006: REACH: TSCA - Mica-Group Minerals

Mica - 12001-26-2

Regulation (EC) 1907/2006: REACH: \*Exempt TSCA - Mica-Group Minerals

## SECTION 4: First aid measures

**General Advice:**

Remove material from eyes, skin and clothing.  
In case of doubt or when symptoms persist, seek medical attention.  
Wash heavily contaminated clothing before reuse.

**Eye contact**

Flush eye(s) immediately with plenty of water

**Skin contact**

Wash off with soap and plenty of water.

**Ingestion**

No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed..

**Inhalation**

If large quantities have been inhaled, keep airway open as necessary and seek medical attention

## SECTION 5: Firefighting measures

**General Advice**

Treat as "Class A" fire.. Product will burn when in contact with a flame. Tends to smolder.

**Suitable Extinguishing Media**

Water  
Dry chemical  
Foam

**Unsuitable Extinguishing Media**

None

**Hazardous Combustion Products**

Carbon dioxide  
Carbon monoxide

**Dust Explosion Hazard**

Can contain sufficient fines to cause a combustible dust explosion. Do not breathe smoke, gases or vapors generated.

**Special Protective Equipment for Firefighters**

Use personal protective equipment. If necessary, wear self contained breathing apparatus (SCBA) for fire fighting.  
Equipment should be thoroughly decontaminated after use.

## SECTION 6: Accidental release measures

### Personal Precautions

In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.

### Environmental Precautions

Not expected to cause an environmental hazard as a result of its intended use, disposal, or incineration.

### Methods for Cleaning up

Sweep or vacuum spilled material and repackage After cleaning, flush away traces with water Disposal information - Refer to Section 13.

### Other Information

Personal protection equipment (PPE) - Refer to Section 8.

Disposal - Refer to Section 13

## SECTION 7: Handling and storage

### Handling

Handle in accordance with good industrial hygiene and safety practices.

Avoid conditions that generate airborne dust in handling, transfer and clean up.

Product may form combustible dust-air mixtures.

Avoid contact with eyes and skin. Wear suitable personal protection equipment.

Remove material from eyes, skin and clothing.

### Storage

Store in a roofed and well ventilated area in the unopened original package.

### Specific end uses:

Oil field drilling fluid compound

## SECTION 8: Exposure controls/personal protection

### Exposure Controls

#### Engineering Controls

Ventilation: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits indicated in this section. The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

### Personal Protective Equipment

#### Eye Protection

Protect eyes from exposure.

EU: P2 half masks

Have eye flushing equipment available.

#### Skin and Body Protection

Wear appropriate protective clothing.

Wash thoroughly after handling.

Launder contaminated clothing and clean protective equipment before reuse.

#### Hand Protection

Gloves are recommended if extended exposure is anticipated.

EN 420

### Respiratory Protection

If handling generates dust levels which cause irritation, or results in personal exposure exceeding the Occupational Exposure Standard (OES) of 10 mg M-3 (8 hr TWA reference period) for total inhalable dust, then suitable approved dust respirator should be used.

Personal exposure to dust should ideally be controlled to the lowest level possible below the OES.

### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

### Control Parameters

#### Exposure Limit Values:

Nuisance particles/

Nuisance dust:

If not specified dusts are:

ACGIH: 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction)

OSHA PEL: 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction)

### Wood, wood fibers, ground hulls or shells - Not applicable

#### Exposure limits

Not established The creation of aerosols should be avoided.

### Mica - 12001-26-2

#### Threshold Limit Values - Time Weighted Averages (TLV-TWA) (322)

3

#### Austria - OEL - MAK

10 mg/m<sup>3</sup>

#### Belgium - OEL - TWA

3 mg/m<sup>3</sup>

#### Ireland - OEL - TWA

10 mg/m<sup>3</sup>

0.8 mg/m<sup>3</sup>

#### Norway - Occupational Exposure Limits - STELs

12 mg/m<sup>3</sup>

6 mg/m<sup>3</sup>

#### Norway - Occupational Exposure Limits - TWAs

6 mg/m<sup>3</sup>

3 mg/m<sup>3</sup>

#### Slovak Republic - OEL - TWA

2 mg/m<sup>3</sup>

10 mg/m<sup>3</sup>

#### United Kingdom - WEL - TWA

10 mg/m<sup>3</sup>

0.8 mg/m<sup>3</sup>

#### United Kingdom - Workplace Exposure Limits (WELs) - STELs

30 mg/m<sup>3</sup>

2.4 mg/m<sup>3</sup>

## SECTION 9: Physical and chemical properties

#### Appearance

Tan to brown

#### Physical State

blend of fibrous, flake and granular material

#### Odor

Slight odor (Do not attempt to detect the odor)

#### Odor Threshold

No information available

#### pH

Approximately neutral

#### Melting Point / Range

Not applicable

#### Boiling Point

Not applicable

#### Freeze Point

Not applicable

#### Flash Point

Not applicable

#### Evaporation Rate

Not applicable

#### Flammability

Combustible

#### Vapor Pressure

Not applicable

#### Vapor Density

Not applicable

## SECTION 9: Physical and chemical properties

Water Solubility	Insoluble
Autoignition Temperature	Not determined or not applicable
Oxidizing Properties	Not Applicable
Fat Solubility	Not soluble in fats

## SECTION 10: Stability and reactivity

### Stability

Stable

### Conditions to Avoid

Avoid dust formation.

### Materials to avoid (Incompatible Materials)

None known

### Hazardous Decomposition Products

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
other products of wood combustion

## SECTION 11: Toxicological information

### General

This product contains wood fiber. Wood dust may be present. Toxicological properties include special health effect of constituents.

### Toxicological Data Sources

Data from material suppliers Data from regulations

### Wood, wood fibers, ground hulls or shells - Not applicable

Carcinogenicity	None of the components of this product at concentrations greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen
Reported Human Effects	Repeated exposure over many years to uncontrolled wood dust increases the risk of nasal cavity cancer. Inhalation of wood dust may also increase the risk of lung fibrosis (scarring). There are also increased risks of respiratory and skin sensitization from wood dust and resin resulting in asthma and dermatitis, respectively

### Potential Health Effects

Eyes	Wood dust can cause eye irritation
Skin	Wood dust can cause contact dermatitis in sensitized individuals
Inhalation	Wood dust is a respiratory irritant. Use approved respirators to avoid breathing wood dust. Avoid prolonged breathing of airborne wood dust.
Ingestion	Not toxic if swallowed (less than a mouthful) based on available information.

## SECTION 12: Ecological information

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### **Aquatic toxicity**

This product is not expected to pose an ecological hazard as a result of its intended use.

### **Ecotoxicity**

96-hr LC50 mysid shrimp, in standard drilling mud: >1,000,000 ppm suspended particulate phase.

Microtox Toxicity: Photobacterium phosphoreum: Non-toxic.

### **Persistence / Degradability**

Being a natural polysaccharide, this product is expected to be readily biodegradable in fresh and seawater.

### **Bioaccumulative Potential**

No data available

### **Mobility**

Data not available

### **Potential environmental effects**

Contains no substances known to be hazardous to the environment

### **Other Adverse Effects**

None known

## SECTION 13: Disposal considerations

### **DISPOSAL CONSIDERATIONS:**

Dispose in accordance with local, state and national regulations.

## SECTION 14: Transport information

**UN-No**

None

**Proper Shipping Name**

Refer to Sections 1 and 3 for product name and chemical name(s).

**IMDG / IMO**

Not a dangerous substance

**ICAO**

Not a dangerous substance

**RID/ADR**

Not a dangerous substance

**D.O.T. Hazard Classification**

Non-hazardous

**General Information**

The data provided in this section is for information only.

Please apply the appropriate regulations to properly classify your shipment for transportation.

**Other information**

Environmental hazards: None known

Special precautions for user: Refer to Sections 2, 7, 8, 9, 10.

## SECTION 15: Regulatory information

Health Safety and Environmental regulations / legislation for the substance or mixture

Component(s) of the product are on the following Inventory lists:

COMPONENT(S) / CAS	EC / REACH	Australia (AICS)	Canada	China (IECSC)	Japan	Korea (KECL)	New Zealand (NZIoC)	Philippines (PICCS)	USA (TSCA)	Taiwan (ECN)
Wood, wood fibers, ground hulls or shells - Not applicable	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt
Mica - 12001-26-2	Exempt *	Present	Present (DSL)	Present		KE-25420	Present	Present	Exempt *	-

### Legend

Present: Listed  
-: Not Listed  
\*:Exempt  
Nominated

### Regulatory and Compendia

Refer to Product Data Sheet

## SECTION 16: Other information

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### Reason for version

Regulation (EC) 1907/2006: REACH  
(EU) No 453/2010

and article 31 or 32

### Training Advice

Personnel handling the substance(s) named in this Safety Data Sheet should be skilled and trained in areas associated with the key points named herein.

Personnel should have training and access to appropriate PPE for handling this product.

Personnel handling the substance(s) named in this Safety Data Sheet are responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the substance(s) intended purpose.

If additional information is required, please contact the supplier or an expert.

### Sources of key data

Literature data and/or investigative reports are available through the manufacturer.



**Acronym / Abbreviation**

**ACRONYMS:**

**INTERNATIONAL:**

ADR: International Carriage of Dangerous Goods by Road  
BOD: Biochemical Oxygen Demand  
CLP: Classification, Labeling and Packaging  
COD: Chemical Oxygen Demand  
D.O.T.: U.S. Department of Transportation  
ICAO International Civil Aviation Organization  
IATA: International Air Transport Association (IATA)  
IMO::International Maritime Organization.  
IMDG::International Maritime Dangerous Goods  
INCI: International Nomenclature of Cosmetic Ingredients  
OES: Occupational Exposure Standard  
OR: EU REACH Only Representative  
PPE: Personal protection equipment  
RID: International Carriage by Rail  
SCBA: self contained breathing apparatus  
TLV-STEL: Threshold Limit Values - Short Term Exposure Limits  
TWA: Time Weighted Averages

**North America:**

CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity  
CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CONEG: Conference of North Eastern Governors  
NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration  
SARA: Superfund Amendments and Reauthorization Act (US EPA)  
TDG: Canada Transport of Dangerous Goods  
WHMIS: Canada's Workplace Hazardous Materials Information System

**Disclaimer:**

The information contained in this Safety Data Sheet to the best of CP Kelco's knowledge and belief as of the date indicated is believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of this information or the use of the product. Nothing contained herein should be construed as a recommendation to use this product in conflict with National or local regulations or existing patents covering any material or its use. In case of dispute, the English text governs.

**END OF SAFETY DATA SHEET**