

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

Issue Date: 24/Jan/2013

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

**Product Name:** Kwik-Seal® Fine, Medium, Coarse

**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

## SECTION 3: Composition/information on ingredients

Chemical Name/CAS	EC / REACH	EU CLP Classification
Wood, wood fibers, ground hulls or shells Not applicable	*	Not Classified
Synthetic flakes Not applicable	*	Not Classified

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

\*Exempt Regulation (EC) 1907/2006:  
Regulation (EC) 1907/2006: \*Exempt Contact KOFG

## 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 known

### Hazardous Combustion Products

Carbon dioxide  
Carbon monoxide  
aldehydes  
organic acids

### 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**

Dry storage.

**Specific end uses:**

Oil field drilling fluid compound

## SECTION 8: Exposure controls/personal protection

**Exposure Controls**

**Engineering Controls**

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. A respirator that meets Standard EN 149 type P2, such as 3M8810 or 8210 is recommended.

**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.

**Synthetic flakes - Not applicable**

**Exposure limits**  
Not established The creation of aerosols should be avoided.

**SECTION 9: Physical and chemical properties**

<b>Appearance</b>	Tan to brown
<b>Physical State</b>	Blend of fibrous, flake and granular material
<b>Odor</b>	Slight odor (Do not attempt to detect the odor)
<b>Odor Threshold</b>	No information available
<b>pH</b>	Not applicable
<b>Melting Point / Range</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Freeze Point</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Combustible
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Water Solubility</b>	Insoluble
<b>Autoignition Temperature</b>	Not applicable
<b>Oxidizing Properties</b>	Not Applicable
<b>Fat Solubility</b>	Not soluble in fats

**SECTION 10: Stability and reactivity**

**Stability**

Stable

**Conditions to Avoid**

Dust formation.

**Materials to avoid (Incompatible Materials)**

None known

**Hazardous Decomposition Products**

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
aldehydes  
organic acids  
Nitrogen oxides  
cyanide  
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

### Synthetic flakes - Not applicable

Carcinogenicity	Not listed as a carcinogen.
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### 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

### 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

This product is biodegradable.

### 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

**Waste treatment methods**

Dispose in accordance with local, state and national regulations.

## SECTION 14: Transport information

**IMDG / IMO**

Not regulated

**ICAO**

Not regulated

**RID/ADR**

Not regulated

**DOT**

Not regulated

**General Information:**

The data provided in this section is for information only.

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

## 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:

Chemical Name/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
Synthetic flakes - Not applicable	*	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt *	Exempt

**Legend**

Present: Listed

-: Not Listed

\*:Exempt

Nominated

**Regulatory and Compendia**

Refer to Product Data Sheet

## SECTION 16: Other information

## SECTION 16: Other information

### 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.

### Reason for version:

Regulation (EC) 1907/2006: REACH

(EU) No 453/2010

and Article 31 or 32

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END OF SAFETY DATA SHEET