



A HUBER COMPANY

Safety Data Sheet

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

Issue Date: 24/Jan/2013

Revision Number: 1.1

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/m³ (total dust), 3 mg/m³ (respirable fraction)
OSHA PEL: 15 mg/m³ (total dust), 5 mg/m³ (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

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	Not applicable
Melting Point / Range	Not applicable
Boiling Point	Not applicable
Freeze Point	Not applicable
Flash Point	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Combustible
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Water Solubility	Insoluble
Autoignition Temperature	Not applicable
Oxidizing Properties	Not Applicable
Fat Solubility	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 (CO₂)
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