

Kelco Oil Field Group
A Unit of Monsanto

Material Safety Data

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **KWIK-SEAL**

DATE: 10/21/98

CHEMICAL NAME: Blend of vegetable and polymer fibers.

SYNONYMS: Various other suffixes and "K" designations may also exist. See product label.

CHEMICAL FAMILY: Blend of vegetable and polymer fibers.

KELCO OIL FIELD GROUP, 3300 BINGLE ROAD, HOUSTON, TX 77055, TEL: 713-895-7575

FOR CHEMICAL EMERGENCY, SPILL LEAK, FIRE, EXPOSURE, OR ACCIDENT
Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere: 703-527-3887 (collect calls accepted)
OR Call The Monsanto Company - 8 a.m. - 5 p.m. (Pacific Time) weekdays - 619-292-4900. For other hours or days call 619-232-0604

For additional non-emergency information, call: 800-331-3677

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT

CAS NO.

Blend of vegetable and polymer fibers.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: Various sized particles with slight odor

POTENTIAL HEALTH EFFECTS

LIKELY ROUTES OF EXPOSURE: skin contact and inhalation

EYE CONTACT: The dry particles may cause foreign body irritation in some individuals.

SKIN CONTACT: No more than slightly toxic or slightly irritating

INHALATION: Inhalation of the particles may cause coughing and sneezing.

INGESTION: Is not toxic if swallowed based on toxicity studies. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES OR ON SKIN, immediate first aid is not likely to be required. However, this material can be removed with water.

IF INHALED, immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air. Remove material from eyes, skin and clothing.

IF SWALLOWED, immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

5. FIRE FIGHTING MEASURES

FLASH POINT: not applicable

EXTINGUISHING MEDIA: In case of fire, use water, dry chemical, CO₂, or alcohol foam.

HAZARDOUS PRODUCTS OF COMBUSTION: carbon dioxide, carbon monoxide

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

FIRE FIGHTING EQUIPMENT: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

In case of spill, sweep, blow or vacuum up spilled material and repackage.

Refer to Section 13 for disposal information and Section 15 for reportable quantity information.

7. HANDLING AND STORAGE

HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICES. THESE PRACTICES INCLUDE AVOIDING UNNECESSARY EXPOSURE AND REMOVAL OF MATERIAL FROM EYES, SKIN, AND CLOTHING.

Keep away from heat, sparks and flame.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.

SKIN PROTECTION: Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.

RESPIRATORY PROTECTION: Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134.

VENTILATION: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

AIRBORNE EXPOSURE LIMITS:

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) respectively, which are the least stringent exposure limits applicable to dusts.

OSHA PEL

15 mg/m³ (total dust) 8-hr TWA
5 mg/m³ (respirable) 8-hr TWA

ACGIH TLV

10 mg/m³ (inhalable) 8-hr TWA
3 mg/m³ (respirable) 8-hr TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight: Various
Appearance: Blend of various colored particles.
Odor: slight
pH: approximately neutral (as a 1% solution)
Bulk Density: approximately 20-30 lb./cu. ft.
Solubility in Water: Not soluble

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of storage and handling. Store in a cool, dry place to maintain product performance.

MATERIALS TO AVOID: strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition products may include carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: will not occur

11. TOXICOLOGICAL INFORMATION

The dry particles may cause foreign body irritation in some individuals. Excessive inhalation of the particles may be annoying and can mechanically impede respiration.

12. ECOLOGICAL INFORMATION

The following data have been classified using the criteria adopted by the European Economic Community (EEC) for aquatic organism toxicity. A legend summarizing the classification scheme appears below.
96-hr LC50; mysid shrimp, in a standard drilling mud: >1,000,000 ppm suspended particulate phase.
Microtox Toxicity: Photobacterium phosphoreum - Non Toxic

Legend for Aquatic Organism Toxicity (Journal of the European Communities, Annex VII A, Section 5.2.1)

Values	Classifications
LC50 or EC50 < or = 1.0 mg/L	Very Toxic
LC50 or EC50 > 1.0 mg/L and < or = 10 mg/L	Toxic
LC50 or EC50 > 10 mg/L < or = 100 mg/L	Harmful
LC50 or EC50 > 100 mg/L	Practically Nontoxic

13. DISPOSAL CONSIDERATIONS

Discarded material is not considered a hazardous waste under California regulations (Title 22, CAC). Also, Monsanto Company is unaware of any local, state, or federal regulations which define this product or its ingredients as hazardous. Dispose of in accordance with local, state, and federal regulations. Dry or wet solid material can be landfilled in accordance with local, state, and federal regulations. Liquids may be sewerred in accordance with local, state, and federal regulations if care is taken to avoid pluggage or blockage of sewer systems recognizing that these materials are intended to increase viscosity and form gels. As a carbohydrate, this material should be readily biodegradable, when at low concentrations, in a biological wastewater treatment plant.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

This product is not hazardous under the applicable DOT, ICAO/IATA, or IMDG regulations.

15. REGULATORY INFORMATION

The ingredients of this product are on the TSCA Chemical Substances Inventory, the Canadian Domestic Substances List, and are included in the European Inventory of Existing Commercial Chemical Substances (EINECS).

SARA HAZARD NOTIFICATION

Hazard Categories Under Title III Rules (40 CFR 370): fire
Section 302 Extremely Hazardous Substances: not applicable
Section 313 Toxic Chemical(s): not applicable

CERCLA REPORTABLE QUANTITY: not applicable
Refer to Section 11 for OSHA Hazardous Chemical(s) and Section 13 for RCRA classification.

16. OTHER INFORMATION

REASON FOR REVISION: Routine review.

	Health	Fire	Reactivity
NFPA Ratings:	0	1	0
HMIS Ratings:	0	1	0

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