



Kachina Drilling Chemicals, LTD.

Material Safety Data Sheet

NFPA 	HCS Risk Phrases HCS CLASS:	Protective Clothing
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Section I. Chemical Product and Company Identification

Common Name/ Trade Name	K-Seal Fine, Medium, Coarse, and Super Blend	Revision Date: February 6, 2007
Supplier	Kachina Drilling Chemicals, LTD. 1312 ECR 124 Midland, TX 79706 (432) 685-3395	In Case of Emergency. (432) 685-3395

Chemical Family Polymer

Material Uses Drilling Fluid Lost Circulation Material

Section II. Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC ₅₀ /LD ₅₀
Bagasse	Not Listed	100	None listed	None listed

Section III. Hazards Identification

Eye contact	May cause eye irritation.
Skin contact	May cause skin irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	Not considered harmful if ingested.
Chronic Effects of Exposure	Prolonged inhalation of particulate (dust) can cause chronic respiratory problems similar to other dusty products. Exposure can to irritating to eyes similar to other dusty products

Section IV. First Aid Measures




Eye Contact	IMMEDIATELY flush eyes with running water for at least 5 minutes, keeping eyelids open. COLD water may be used. Seek medical attention if irritation develops or persists.
Skin Contact	Remove contaminated clothing and shoes. Wash thoroughly with soap and water. Seek medical attention if irritation develops or persists.
Inhalation	If inhaled, go to a well-ventilated area and rest. If irritation persists, seek medical attention.
Hazardous Inhalation	Move individual to a safe, well ventilated area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the individual is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
Ingestion	Do not induce vomiting. Rinse mouth with water. Seek immediate medical attention.

Section V. Fire and Explosion Data

Flammability of the Product	Product smolder with thick smoke. Take precaution if located in confined area. Flash Point 240 degrees F, Open Cup Method
Hazardous Combustion Products	Upon decomposition, this product may emit vile stench and ammonia aromatics. Heat is generated as decomposition process proceeds risking spontaneous combustion. Keep material dry if possible.
Fire Fighting Media and Instructions	Use water, CO ₂ , Foam, Dry Chemical

Section VI. Accidental Release Measures

Leak/Spill	Ventilate area of leak or spill. Clean-up personnel require goggles and respiratory protection from dust.
Disposal	Product is not considered hazardous as per CFR 1910.120. It is comprised of 100% bagasse (a naturally occurring waste product generated in the sugar cane refining process). 100% Biodegradable. Standard disposal of agricultural waste – follow state and local regulations.

Section VII. Handling and Storage									
Handling	Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.								
Storage	Store in a dry, ventilated area.								
Section VIII. Exposure Controls/Personal Protection									
Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit, and limit the accumulation of dust. An eyewash and safety shower must be easily accessible.								
Personal Protection	Use good industrial hygiene practices in handling this material. Safety glasses or splash goggles. Impervious gloves. Dust mask or respirators are not necessary in areas with adequate ventilation. Be sure to use a MSHA/NIOSH approved respirator when ventilation is inadequate.								
Personal Protection in Case of a Large Spill	MSHA/NIOSH approved respirator, rubber boots and impervious suit.								
Section IX. Physical and Chemical Properties									
Physical state and Appearance	Fibrous Material odor: Mild color: Light Brown								
pH	6.8								
Solubility (Water)	Not Soluble in water.								
Specific Gravity (H ₂ O = 1)	0.95-1.05								
Section X. Stability and Reactivity Data									
Stability	The product is stable under ordinary conditions of use and storage.								
Incompatibility with various substances	N/A								
Hazardous Polymerization	This substance does not polymerize								
Hazardous decomposition products	Upon decomposition, this product may emits oxides of carbon and nitrogen, and ammonia.								
Section XI. Toxicological Information									
Routes of Entry	Eye contact, skin contact, inhalation and ingestion.								
Special Remarks on other Toxic Effects on Humans	None								
Carcinogenicity	No evidence of carcinogenic effects.								
Section XII. Transport Information									
DOT Classification	Not Regulated								
Proper shipping name									
Identification Number									
Packing group									
DOT Pictogram									
Section XIII. Other Regulatory Information and Pictograms									
Other Classifications	WHMIS (Canada) DSCL (EEC)								
HMIS (U.S.A.)	<table border="1"> <tr> <td>① HEALTH</td> <td rowspan="4">National Fire Protection Association (U.S.A.)</td> <td rowspan="4">Health</td> <td rowspan="4">  </td> <td rowspan="4">Fire Hazard</td> </tr> <tr> <td>② FLAMMABILITY</td> </tr> <tr> <td>③ REACTIVITY</td> </tr> <tr> <td>④ PROTECTIVE EQUIPMENT</td> </tr> </table>	① HEALTH	National Fire Protection Association (U.S.A.)	Health		Fire Hazard	② FLAMMABILITY	③ REACTIVITY	④ PROTECTIVE EQUIPMENT
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Section XIV. Other Information									
Notice to Reader	The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Kachina Drilling Chemicals, Ltd. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.								