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HOTLINE FUSERS GLUE  
Cat. No. 4875

U.S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration

Form Approved  
OMB No. 44-R1387

# MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

## SECTION I

MANUFACTURER'S NAME AKZO ZOUT CHEMIE, Arnhem Holland		EMERGENCY TELEPHONE NO. (303) 832-6226
ADDRESS (Number, Street, City, State, and ZIP Code) c/o Dreeland Colloids, INC. 1670 Broadway #3335 Denver CO 80202		
CHEMICAL NAME AND SYNONYMS sodium carboxymethyl cellulose		TRADE NAME AND SYNONYMS AKU-CMC LZ 845/LZ 740
CHEMICAL FAMILY cellulose		FORMULA C=39%, H=5.1%, O=46.9%, Na=9.0%

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
No hazardous ingredients present					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	--	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.57
VAPOR PRESSURE (mm Hg.)	--	PERCENT VOLATILE BY VOLUME (%)	3.1
VAPOR DENSITY (AIR=1)	--	EVAPORATION RATE (--- -1)	--
SOLUBILITY IN WATER	completely		
APPEARANCE AND ODOR	White to yellow powder No odor		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	350° (open cup)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	water			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

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**Diamond Tech International MATERIAL SAFETY DATA SHEET**

**61452-3009**

5600 Airport Blvd, Suite C, Tampa, FL 33634 (813) 806-2923 Fax (813) 806-1988

**Section I PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** KILN WASH

K52401

**CHEMICAL NAME:** KAOLINITE (CAS No. 1332-58-7)  
SILICA (CAS No. 14808-80-7)

<b>PRODUCER:</b>	<b>TELEPHONE NUMBERS:</b>
Diamond Tech International	Emergency and Information
5600 Airport Blvd	(813) 806-2923 8am-5pm EST M-F
Suite C	(800) 937-9593
Tampa FL 33634	(813) 806-1988

**SECTION II HAZARDOUS INGREDIENTS**

Free Silica (Crystalline Quartz) Formula: SiO<sub>2</sub> Typically 50% CAS No. 14808-60-7  
Kaolin or kaolinite is a naturally occurring hydrous aluminum silicate mineral.  
Formula: H<sub>4</sub>Al<sub>2</sub>Si<sub>2</sub>O<sub>9</sub>; SiO<sub>2</sub>

**SECTION III PHYSICAL DATA**

**BOILING POINT:** Not Applicable **VAPOR PRESSURE:** N/A **SPECIFIC GRAVITY:** 2.56  
**MELTING POINT:** 1740 - 1785 C **SOLUBILITY IN WATER:** Negligible **PERCENT VOLATILE:** N/A  
**ODOR AND APPEARANCE:** Earthy smell when wet. White to light gray lumps; buff-colored powder

**SECTION IV FIRE AND EXPLOSION DATA:** Non-flammable and non-explosive

**SECTION V HEALTH HAZARD INFORMATION**

<b>OSHA PEL:</b> CRYSTALLINE QUARTZ (Respirable)	5.0 mg/m <sup>3</sup> (TWA-TLV)
<b>AGGIH TLV:</b> CRYSTALLINE QUARTZ (Respirable)	0.05 mg/m <sup>3</sup> (TWA-TLV)
<b>NIOSH TWA:</b> CRYSTALLINE QUARTZ (Respirable)	0.05 mg/m <sup>3</sup> (TWA-TLV)

**HAZARD BY ROUTES OF EXPOSURE:**

**INHALATION; WARNING:** These products contain crystalline silica. Repeated, prolonged inhalation of dust may cause delayed lung injury which may result in silicosis or pneumoconiosis. The International Agency For Research On Cancer in its publication, "IARC Monographs On The Evaluation Of The Carcinogenic Risk To Humans - Silica, Some Silicates, Coal Dust and Para-aramid Fibrils" - Volume 68, 1997, has concluded that there is sufficient evidence for the carcinogenicity of crystalline silica in humans, and has, therefore, classified crystalline silica in Group I, carcinogenic to humans. The National Toxicology Program's ("NTP's") Sixth Annual Report on Carcinogens, 1991, lists crystalline silica (respirable) as a substance which may reasonably be anticipated to be a carcinogen. In humans, a number of studies have found an association between lung cancer and exposure to dust containing respirable crystalline silica. In many of these studies, though not all, lung cancer risks were elevated and could not be explained by confounding factors such as cigarette smoking or arsenic or radon inhalation. While the IARC working group concluded there was sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite, it noted that carcinogenicity in humans was not detected in all circumstances studied. **NOTE:** The State of California requires the following statement: "Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer."

**INGESTION:** Nausea may result from accidental ingestion. May cause cancer.