MATERIAL SAFETY DATA SHEET

IDENTITY: DSC-30					

MANUFACTURED FOR AND SUPPLIED BY:		TELEPHONE NUMBER: (330) 837-8679			
PolyOne Corporation 1675 Navarre Road Massillon, OH 44646		DATE PREPARED: June 10, 1997			
		PREPARER: Health, Safety, & Environment			
		PRODUCT USE: Rubber Additive			
		DATE PRINTED: October 24, 2002			

COMPONENTS · CHEMICAL IDENTITY/CAS#	EXPOSURE LI PEL TLV	MITS OTHER	TOXICITY LD50/LC50	AMOUNT %	
Polysulfide Silanes CAS #Proprietary	None Known			70 - 80	
Calcium Silicate CAS #1344-95-2 *PEL & TLV for respirable nuisance dust.	*5mg/m3 *5mg Not likely in proc	,		20 - 30	
*Ethyl Alcohol (Ethanol)	1000ppm 1000p	opm		.1 - 1	
CAS #64-17-5 *This material is a decomposition product that may collect in the head space of the container and may present a fire hazard when initially opened. Eliminate all ignition sources when opening.					

BOILING POINT: Not Available FREEZING POINT: Not Available VAPOR PRESSURE (mm Hg): Not Available VAPOR DENSITY (AIR=1): Not Available SOLUBILITY IN WATER: Reacts Slowly APPEARANCE (PHYSICAL STATE) AND ODOR: Powder; Tan Odor; Mild			nined HOLD (ppm): No /OIL DIST.: Not	t Determined Applicable	

FLASH POINT (Method): 132øF (PMCC ASTM D93)

EXTINGUISHING MEDIA: CO2 and dry chemical for small fires. Apply alcohol or all- purpose-type foam by manufacturer's recommended techniques for large fires.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Reaction with water can be rapid and exothermic. The addition of water can generate ethanol. Ethanol (55øF flash point) may accumulate in the head space of the container. Eliminate all ignition sources when opening.

HMIS RATING: 2

FLAMMABLE LIMITS LEL: Not Determined

UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Determined SENS. TO STATIC DISCHARGE: Not Determined

HAZARDOUS COMBUSTION PRODUCTS: SiOx, SOx, COx. CO is highly toxic if inhaled; CO2 in sufficient concentration can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

SECTION V - Reactivity Data

STABILITY

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Reacts with water or moisture to liberate ethanol.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: SiOx, SOx, COx

HAZARDOUS POLYMERIZATION MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 1

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION:

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION: X

EYE CONTACT:

HEALTH HAZARDS

ACUTE: May cause minor skin irritation with itching and possible slight local redness. Ingestion may cause dizziness, faintness, drowsiness, decreased awareness and responsiveness, euphoria, abdominal discomfort, nausea, vomiting, staggering gait, lack of coordination and coma.

CHRONIC: Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH: The following information is based on ethanol: The International Agency for Research on Cancer (IARC) has determined that the consumption of alcoholic beverages is causally related to the occurrence of malignant tumors of the oral cavity, pharynx, esophagus and liver in humans. The carcinogenic response attributed to drinking alcoholic beverages has not been verified in studies with laboratory animals. Established uses of denatured ethanol and non-beverage uses of pure ethanol are not considered to pose any significant cancer hazard. Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the central nervous system of the fetus, producing a collection of effects which together constitute the fetal alcohol syndrome. These include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioral disorders, and small size head.

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See Health Hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Repeated exposure to ethanol may aggravate liver injury produced from other causes.

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

ined REPRODUCTIVE TOXICITY: Not Determined ermined TERATOGENICITY: Not Determined

SENSITIZATION: Not Determined MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: None Known

HMIS RATING: 1

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air. No emergency care anticipated.

INGESTION: Drink 2 glasses of water, induce vomiting. Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation develops, consult a physician.

NOTES TO PHYSICIAN:

The following information is based on ethanol: Symptoms vary with the alcohol level of the blood. Mild alcohol intoxication occurs at blood levels between 5-15% and approximately 25% of individuals will show signs of intoxication at these levels. Above 15% the person is definitely under the influence of ethanol and 50-95% of individuals at this level are clinically intoxicated. Severe poisoning occurs when the blood ethanol level is .3-.5%. Below .5% the individual will be comatose and death can occur. The unabsorbed ethanol should be removed by gastric lavage after intubating the patient to prevent aspiration. Avoid the use of depressant drugs or the excessive administration of fluids. In the presence of hypoglycemia, administer 5-10% glucose intravenously, plus thiamine 100 mg intramuscularly. Hemodialysis is indicated if the blood ethanol is above 5 mg/ml. Naloxone may be useful to reverse clinical alcoholic coma and .4-1.2 mg intravenously may arouse ethanol- intoxicated patients.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Collect for disposal. Avoid runoff to sewers or waterways. This product may be toxic to fish; avoid discharge to natural waters.

WASTE DISPOSAL METHODS: In accordance with all Federal, State, and Local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep away from heat, sparks, and open flames. Avoid contact with eyes, skin, and clothing.

OTHER PRECAUTIONS: Hot organic chemical vapors or mists are susceptible to sudden spontaneous combustion when mixed with air. Ignition may occur at temperatures below those published in the literature as "autoignition" or "ignition" temperatures. Ignition may occur at typical elevated-temperature process conditions, especially in processes operating under vacuum if subjected to sudden ingress of air, or outside process equipment operating under elevated pressure if sudden escape of vapors or mists to the atmosphere occurs.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approed respirator above PEL or TLV or as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses with side shields.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station.

WORK/HYGENIC PRACTICES: Wash thoroughly after handling and before eating or smoking.

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical components are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None

RCRA STATUS:

The following chemical components are listed under (40 CFR 261):

Ignitable

D001

CALIFORNIA PROPOSITION 65:

This product contains Toluene (<100 ppm) which the State of California has found to cause reproductive harm. (Toluene is on the 1/1/91 repro-toxicant list.)

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