

800 S. 7th Street
Richmond. IN 47374
(765) 966-5084

Product Name: DEFY POWDERED WATER REPELLENT®	Date: 02-03-05	
MSDS Number: PW-39	CAS Number: Mixture	Prepared by: Greg Herbert

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

Principal hazardous component(s)

Amorphous precipitated silica (112926-00-8)

(Percentage content of ingredients withheld as a trade secret pursuant to Massachusetts regulations)

SECTION 2 - PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance and odor: ----- White powder, mild odor
Boiling point: ----- Not applicable
Bulk density:----- Approx. 400 kg/m³
Vapor pressure (mm Hg and temperature):----- Not determined
Vapor density (air = 1): ----- Not applicable
Evaporation rate: ----- Not applicable
Solubility in water: ----- Not determined
Water reactive: ----- Hydrolyzes gradually
Specific gravity: ----- Not determined
% volatile by volume: ----- Not determined

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash point and method used: ----- 204° F
Auto-ignition temperature: ----- 509 ° F
Flammability limits in air % by volume: ----- Not determined
Extinguishing media: ----- Water, carbon dioxide, dry chemical foam
Special fire fighting procedures: ----- Full protective clothing and self-contained breathing apparatus
Unusual fire and explosion hazards: ----- Dust/vapor may form explosive mixture with air. Electrostatic charging is possible.

SECTION 4 - REACTIVITY HAZARD DATA

Stability: ----- Stable
Conditions to avoid: ----- Heat and moisture
Incompatibility (materials to avoid): ----- None known
Hazardous decomposition products: ----- At hydrolysis: ethanol, at combustion:
SiO₂, CO₂, CO
Hazardous polymerization: ----- Will not occur.

SECTION 5 - HEALTH HAZARD DATA

Primary routes of entry:

 X Inhalation X Skin Absorption _____ Ingestion _____ Not Hazardous

Carcinogen listed in:

_____ NTP _____ IARC Monograph _____ OSHA X Not Listed

Signs and symptoms of exposure: Mild irritation

Acute and chronic overexposure: Skin: Skin irritation may occur. **Eyes:** Eye irritation may occur. Breathing: May cause irritation upper respiratory tract and mucous membranes. Breathing high concentrations may cause lung damage.

Medical conditions generally aggravated by exposure: None known.

Emergency and first aid procedures - Seek medical assistance for further treatment, observation, and support.

Eye contact: Immediately flush with water for 15 minutes. Seek additional medical treatment.

Skin contact: Remove with waterless hand cleaner. Wash with soap and water. See a physician if irritation persists.

Inhalation: Remove to fresh air.

Ingestion: Consult a physician.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory protection (specify type): None should be needed.

Protective gloves: Resistant rubber gloves.

Eye protection: Chemical splash goggles.

Ventilation: Use only with adequate ventilation.

Local exhaust: Not recommended; in case of dust formation, yes.

Other (specify):

Other protective clothing and equipment: Wear impervious clothing and boots.

Hygienic work practices: Wash thoroughly with soap and water after using this product.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be taken if material is spilled or released: Avoid formation of dust. Do not get into waters sewerage or soil. Take up by mechanical means and place in proper waste disposal containers.

Waste disposal methods: In accordance with local, state, and federal regulations.

Precautions to be taken in handling and storage: Store in a dry cool area. Protect from moisture. Take precautionary measures against dust explosion. Avoid formation of dust and aerosol mist. Danger of dust explosion. Remove dust after wetting. Take precautionary measures against static discharge.

Other precautions and/or special hazards: None

NFPA Rating:	Health <u> 0 </u>	Flammability <u> 1 </u>	Reactivity <u> 1 </u>	Special _____
HMIS Rating:	Health <u> 0 </u>	Flammability <u> 1 </u>	Reactivity <u> 1 </u>	Special _____