

MATERIAL SAFETY DATA SHEET

PROJECT 1™ 4000 SERIES POLY- SEALANT

FILE NO.:4000
MSDS DATE: April 22, 2011

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PROJECT 1™ HIGH PERFORMANCE POLY-SEALANT
PRODUCT CODES: 4000 & 4000 UV Series: 4001 Aluminum Gray, 4002 Black, 4007 White, 4420 Gray

MANUFACTURER: HI TEC INDUSTRIES
ADDRESS: 6100 SOUTH FAIRFAX ROAD
BLOOMINGTON, IN 47401

EMERGENCY PHONE: 800-457-1313
OTHER CALLS: 812-824-8000
FAX PHONE: 812-824-8185

CHEMICAL NAME: MODIFIED ELASTOMERIC POLYMER
CHEMICAL FAMILY: MS

PRODUCT USE: ADHESIVE/SEALANT

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
CALCIUM CARBONATE	1317-65-3	<70
PROPRIETARY POLYMERS	----	<30
TITANIUM DIOXIDE	13463-67-7	<10
CARBON BLACK	1333-86-4	<1
(Above in gray and black only)		

SECTION 2 NOTES: See Section 15 of this MSDS for OSHA Regulatory Status

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Heavy paste with mild odor; various colors
Can cause skin and eye irritation

Combustible Material (will burn). In case of fire, use foam, dry chemical, CO²

ROUTES OF ENTRY: INHALATION; EYE AND SKIN CONTACT

CAUTION! Can cause skin and eye irritations.

POTENTIAL HEALTH EFFECTS

EYES: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

SKIN: Can cause skin irritation. Symptoms may include redness and burning of skin.

INGESTION: Swallowing large amounts may be harmful.

INHALATION: Breathing large amounts of vapor may be harmful.

CHRONIC HEALTH HAZARDS: Over exposure to a component of this material has been suggested as a cause of liver abnormalities in laboratory animals.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Eye or skin disease.

CARCINOGENICITY

OSHA: None

NTP: None

IARC: See section 11

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SECTION 4: FIRST AID MEASURES

EYES: Immediately rinse eyes with water. Remove any contact lenses. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Continue flushing eyes with running water for at least 15 minutes. Get medical attention if irritation persists.

SKIN: Wash affected areas with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before reuse. Get medical attention if irritation develops and persists.

INGESTION: DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

INHALATION: Remove from area to fresh air. If not breathing, clear airway and start mouth-to-mouth artificial respiration or use a bag-mask respirator. Get immediate medical attention. If victim is having trouble breathing, transport to medical care and, if available, give supplemental oxygen.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: NONE

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER:
(% BY VOLUME) **LOWER:**

FLASH POINT:
F:>200°F

EXTINGUISHING MEDIA: For small fires, use foam, CO², or dry chemical. For large fires, use water spray, fog, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Move containers from area if it can be done without risk.

FIREFIGHTING EQUIPMENT: As in any fire, wear NIOSH approved, positive-pressure, self-contained breathing apparatus and full protective gear.

SECTION 5 NOTES: This product is combustible.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:
Wear appropriate protective equipment (See Section 8). Ventilate area. Observe all local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:
Wear appropriate protective equipment (See Section 8). Avoid contact with eyes, skin, and clothes. Avoid breathing vapors. Keep container closed when not in use. Use with sufficient ventilation to keep area below established exposure levels. Wash thoroughly after handling.

Keep container tightly closed. Isolate from incompatible materials (see Section 10).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:
Use local exhaust or general dilution ventilation system.

VENTILATION :

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RESPIRATORY PROTECTION: Use NIOSH approved equipment only. For exposure above the exposure limit, use a respirator

that has been selected by an industrial hygienist or other technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory program.

EYE PROTECTION: Wear vented safety goggles or safety glasses.

SKIN PROTECTION: Wear clothing that will protect the skin from exposure to this chemical. During emergency or while making repairs, wear clothing that will not allow this chemical to penetrate.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye Wash

EXPOSURE GUIDELINES:

COMPONENT	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Titanium Dioxide*	15mg/m ³	N/E	10 mg/m ³	N/E
Carbon Black*	3.5 mg/m ³	N/E	3.5 mg/m ³	N/E
Calcium Carbonate*	15 mg/m ³	N/E	10 mg/m ³	N/E

*Exposure limits are provided for information only. This chemical is not in a respirable form in this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild

PHYSICAL STATE: Paste

pH AS SUPPLIED: N/A

BOILING POINT: N/E

MELTING POINT: N/E

VAPOR DENSITY (AIR = 1): N/E

SPECIFIC GRAVITY (H₂O = 1): ~1.3 – 1.7

VOC Content: 9 grams/liter (EPA Method #24)

SOLUBILITY IN WATER: Slightly Soluble

PERCENT SOLIDS BY WEIGHT:

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID (STABILITY): Avoid temperatures above 120°F

INCOMPATIBILITY (MATERIAL TO AVOID): Avoid contact with acids and oxidizers

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: May form oxides of carbon and various unidentified organic compounds.

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SECTION 11: TOXICOLOGICAL INFORMATION

For Carbon Black (Black material): IARC – Group 2B (Possibly carcinogenic to humans)

For Titanium Dioxide (White material): Trochimowicz, *et al*, *J Appl. Tox.*, **8**, 383-385 (1988).

Oral LD ₅₀ (rat)	>25 g/kg
Dermal LD ₅₀ (rabbit)	>10 g/kg
Inhalation LC ₅₀ (rat)	>6.82 mg/l (4 hr)

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not established

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS: Not Regulated. Observe all applicable federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Not regulated

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) Hazardous

The ingredients of this chemical are listed on the US TSCA Chemical Substance Inventory and Canadian Domestic Substances List.

TSCA (TOXIC SUBSTANCE CONTROL ACT): No specific regulations apply

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: Acute

313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS:

California Proposition 65.....	Crystalline Silica-Warning-This chemical is known to the State of California to cause cancer.
Massachusetts Right to Know List.....	Carbon Black, Titanium Dioxide
New Jersey Right to Know List.....	Carbon Black (SN 0342), Titanium Dioxide (SN 1861)
Pennsylvania Right to Know List.....	Carbon Black, Titanium Dioxide
Rhode Island Hazardous Substance List	Carbon Black, Titanium Dioxide

SECTION 15 NOTES: This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.

3 Controlled Product; Classification: D2B

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

Prepared by HI TEC Industries
MSDS No. 4000
Date Prepared: January 15, 2008

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