

## Material Safety Data Sheet

### 1. Product and Company Identification

Issued: December 2006

#### Company Identification

Crane Performance Siding  
1441 Universal Road  
Columbus, Ohio 43207

#### Emergency Telephone Number

(614) 443-4841 x444

Transportation:  
(614) 443-4841 x459

Trade Name: BellaStone  
Chemical Name: Not Applicable (Mixture)  
Chemical Family: Polymer, silicon dioxide  
Synonyms: HDPE, LLDPE, MDPE, polyethylene, sand  
C.A.S. Registry Number: Not Applicable (Mixture)  
Product Use: Exterior wall cladding product

### 2. Composition/Information on Ingredients

<u>Substance Name</u>	<u>C.A.S. Number</u>	<u>Weight %</u>	<u>OSHA PEL-TWA</u>
Polyethylene	9002-88-4	70-90	15 mg/m <sup>3</sup>
Silicon Dioxide	14808-60-7	5-15	10 mg/m <sup>3</sup>
Misc. Fillers	Proprietary	5-15	N.E.

N.A. = Not Applicable    N.E. = Not Established

**Notes:** Contains PVC thermoplastic, acrylic primer, and recycled wood products. The product is extruded into wood replacement items and is used in a wide variety of applications. Toxicology data (Section 11) applies to finished product unless otherwise stated.

*OSHA PEL-TWA:* OSHA Permissible Exposure Limit, 8-Hour Time Weighted Average per 29 CFR1910.1000. Specific instructions can be found in the Code of Federal Regulations (29 CFR) for the specified chemical.

### 3. Hazards Identification

Effects of Overexposure: Inhalation of dust generated during processing can irritate nose, throat and respiratory tract. In some sensitive individuals, repeated exposures to certain wood dusts can produce allergic responses including asthma and rhinitis.

Emergency Response Data: Natural Solid. Exposure to fire can generate toxic fumes of hydrochloric acid (HCl) and Carbon Monoxide (CO). High dust levels may create potential for explosion.

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#### **4. First Aid Measures**

Eye Contact: Following exposure to dust or toxic fumes: Flush thoroughly with water. If irritation occurs, call a physician.

Skin Contact: Exposure to dust not expected to be a problem. If irritation occurs, wash with soap and water.

Inhalation: If respiratory irritation, cough, shortness of breath, wheezing or chest tightness occurs after exposure to dust or fumes, remove from further exposure, seek immediate medical assistance and call a physician.

Ingestion: Not expected to be a problem when ingested. If uncomfortable, seek medical assistance.

#### **5. Fire-Fighting Measures**

Flash Point: Not established for the product. However, the PVC resin portion of the product has a flash point of 735 F and an autoignition temperature of 850 F. The wood flour portion of the product has an autoignition temperature of approximately 500 F.

Extinguishing media: Water, protein type air foams, ABC dry chemical. Carbon dioxide is not recommended.

Special Fire-fighting Procedures: Use water to keep exposed product cool. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Special Protective Equipment: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Exposure to fire can generate toxic HCl fumes. Can self-ignite if large molten mass is generated. High dust levels may create potential for explosion. Precautions should be taken similar to those for any other combustible material ,e.g., wood or other plastics.

Hazardous Decomposition Products: Hydrochloric acid, Carbon Monoxide

#### **6. Accidental Release Measures**

Notification Procedures: Notify Crane Products using Emergency telephone number on page 1 of this document.

Procedures if Material is Released or Spilled: Not Applicable for product in purchased form. Where dusty conditions are created as a result of cutting or sawing, wet sweep or vacuum dust for disposal. Personnel performing cleanup should use protective equipment such as gloves and a dust mask.

Environmental Precautions: Prevent product dust from entering storm sewers or drains and contact with soil.

Personal Precautions: See Section 8

## 7. Handling and Storage

Handling: Do not use in applications where heavy structural loads or bracing is required. Permchoice is heavier than most traditional lumber products; proper handling is required to prevent damage or injury. Do not burn in fireplace or use as firewood.

Storage: Do not store in unlabelled containers. Store away from strong oxidizing agents or combustible material.

## 8. Exposure Controls/Personal Protection

Ventilation: Use with adequate ventilation in processing operations. No special requirements under ordinary conditions of use and with adequate ventilation.

Respiratory Protection: Approved dust respirators must be used for dusty conditions or if breathing of dusts is likely. No special requirements under ordinary conditions of use and with adequate ventilation. OSHA limit on dust is 15 mg/m<sup>3</sup>.

Eye Protection: Safety glasses with side shields, or goggles, should be worn to protect against dust particles.

Skin Protection: No special equipment required. However, good personal hygiene practices should always be followed.

## 9. Physical and Chemical Properties

Typical physical properties are given below

Appearance: Solid	Vapor Density: NA
Color: Brown with White Primer	Evaporation Rate: NA
Odor: None	Relative Density, >1
Odor Threshold: NA	Solubility in Water: Negligible
Boiling Point: NA	Partition Coefficient: NE
Melting Point: NA	Viscosity at 40 C, cSt: NA
Flash Point: >500F (estimate)	Viscosity at 100 C, cSt: NA
Explosive Properties: NA	Pour Point C(F): NA
Oxidizing Properties: NA	Freezing Point C(F): NA
Vapor Pressure: mmHg 20 C: NA	Volatile Organic Compound: NE

N.A. = Not Applicable N.E. = Not Established

## 10. Stability and Reactivity

Stability (Thermal, Light, Etc.): Stable

Conditions to Avoid: Extreme heat >400 F

Incompatibility (materials to avoid): Strong oxidizers.

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Hydrochloric Acid

Hazardous Polymerization: Will not occur.

## **11. Toxicological Data**

### Acute Toxicology

Oral toxicity (Rats): Practically non-toxic; LD50: greater than 2000mg/kg  
(Based on testing of similar products and/or the components.)

Dermal Toxicity (Rabbits): Not Applicable

Inhalation toxicity (Rats): Not Applicable – Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonable foreseeable handling, use or misuse of this product.

Eye Irritation (Rabbits): Not established

Skin Irritation (Rabbits): Non-irritating. Based on testing of similar products and/or the components.

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## **12. Ecological Information**

Environmental Fate and Effects: Not Established

## **13. Disposal Considerations**

Waste Disposal: Dispose of waste in accordance with all federal, state, & local regulations

RCRA Information: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40CFR Part 261ZD), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

## **14. Transport Information**

U.S. DOT: Not Regulated

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; All risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability

and fitness for a particular purpose in respect to the use or suitability of the product.  
Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.

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Prepared by: Crane Products Ltd.  
Safety and Environmental & Research and Development Group

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