

Dryvit Systems, Inc.



WEST WARWICK, RI
(401) 822-4100

COLUMBUS, GA
(706) 563-8021

SAND SPRINGS, OK
(918) 245-0216

WOODLAKE, CA
(559) 564-3591

STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #015

Product(s) Covered by this MSDS:

EPS Insulation Board

Date Issued: May, 1999 (Replaces February, 1994)

HMIS Ratings: Health: 1 Fire: 4
Reactivity: 0

Component Information and Hazards:

| Ingredients | CAS#; List | OSHA-PEL STEL/TWA | ACGIH-TLV STEL/TWA | % by Weight |
|------------------------|------------------------|----------------------|-----------------------|-------------|
| Polystyrene | 9003-53-6 | Not Established | Not established | > 98.0% |
| Pentane | 109-66-0 (HP) | 750 ppm / 600 ppm | 750 ppm / 600 ppm | < 1.0% |
| Hexabromocyclododecane | 3194-55-6 | Not Established | Not Established | < 1.0% |

Note: *HP* denotes OSHA Health Hazard / denotes OSHA Physical Hazard.

Physical/Chemical Characteristics:

White colored beads with an odor of Pentane.

Specific Gravity: 1.

Solubility in Water: Negligible.

Fire Hazard and Explosion Data:

Flash Point: < 57°F (ASTM D-56).

Flammability Limits: 1.4 – 8.3%

Extinguishing Media: Use water fog, water, waterspray, foam, CO₂, or dry chemical.

Fire Fighting Procedures: Fire fighters should be equipped with self-contained breathing apparatus and turnout gear. Dense black smoke produced during combustion may obscure vision. To prevent reignition of interior, target center of fire with large amounts of water. Serious slipping hazard may exist from beads spilled on hard smooth surfaces

Unusual Hazards: If exposed to fire, high heat will be developed and heavy, black smoke will result. During combustion, CO, CO₂ and hydrogen bromide will be produced. When containers are opened, flammable vapors (pentane) are released which are heavier than air and may travel long distances, resulting in ignition and flashback to the source. Good ventilation and grounding techniques must be employed. During handling, material generates static charges, which are difficult to dissipate due to the insulating properties of the material. *The above information is based on the pentane-blowing agent.*

Health Effects Data:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases included inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Overexposure Effects: Contact with the eyes and skin may result in irritation. Prolonged or repeated skin contact may result in dermatitis. Inhalation of high concentrations of pentane vapors irritates the respiratory tract, and may cause dizziness, difficulty in breathing, loss of coordination and CNS depression. Exposure to 5000 ppm for 10 minutes did not cause irritation in mice. Very high concentrations (90,000 – 120,000 ppm) resulted in narcosis and CNS effects. Pentane vapors may cause eye irritation. Redness, tearing and irritation may result from beads entering the eyes.

Chronic Overexposure Effects: There are no other known chronic effects associated with this material.

First Aid Procedures:

Skin: Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

Eyes: Immediately rinse eyes with running water for 15 minutes, retracting eyelids frequently.

DRYVIT SYSTEMS, INC. Page 2 of 3 **EPS Insulation Board**

Date Issued: May, 1999 (replaces February, 1994)

Ingestion: If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

Inhalation: Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention

Reactivity Data:

Stability: Stable.

Incompatibility: Aromatic solvents, strong oxidizing agents.

Conditions to Avoid: Heat, sparks and flames.

Hazardous Decomposition Products: CO, CO₂, and hydrogen bromide.

Corrosive Properties / Oxidizer Properties: Not corrosive / not an oxidizer.

Personal Protection Data:

Clothing: Gloves, coveralls, apron, boots as necessary to minimize contact.

Eye: Safety glasses with side-shields or chemical goggles.

Respiration: If dusts are generated, wear an approved dust respirator.

Ventilation: Use local exhaust to control to recommended PEL

Explosion Proofing: Non-sparking safety shoes.

Spill / Leak / Environmental Measures:

General: Remove all sources of ignition, as flammable vapors may be present. Spills should be swept or shoveled into suitable containers for reuse or disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("Superfund"). Wear appropriate respiratory protection and protective clothing, and provide adequate ventilation during clean up. During handling, this material in bead or expanded form generates static charges, which are difficult to dissipate due to the insulating properties of the material. Serious slipping hazard is created by spilled beads on hard, smooth surfaces.

Waste Disposal: Incinerate (assure that emissions comply with applicable regulations) or bury in a licensed facility in compliance with Federal, State, and Local Solid Waste Regulations. Do not discharge into waterways or sewer systems.

Container Disposal: Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Storage and Handling Data:

General: Store in well-ventilated area at temperatures below 80°F. Do not store near ignition sources. Keep containers closed. After removing lid and polybag seal, allow at least 10 minutes for volatile vapors (which are heavier than air, and may travel long distances) to disperse. Partial containers must be ventilated in a similar manner. Partial containers should be stored with the inner polybag sealed off as close to the remaining beads as possible to reduce vapor accumulation in the liner. Vapors may also accumulate inside container above liner. Maintain air circulation and ventilation at a minimum rate of six air changes per hour to prevent flammable concentrations from forming. Smoking is not allowed in the area.

Other: Use only non-sparking transfer equipment and tools. All material handling equipment must be electrically grounded to minimize possible ignition due to static electricity, Maintain relative humidity at 40% to minimize static accumulation. Wear goggles, leather gloves, non-static clothing and shoes with conductive soles. Wash thoroughly after handling. Spilled material on hard, smooth surfaces causes a serious slipping hazard. Clean up spills immediately. Use of non-skid walkways is recommended.

Regulatory Data:

TSCA Inventory Status: Yes, listed on inventory.

RCRA Hazard Waste No: No.

State Regulatory Information:

(By Component): NJ/PA/MA RTK; CAS#109-66-0; Yes; Pentane.

(By Component): NJ/PA/MA RTK; CAS#3194-55-6; No; Hexabromocyclododecane; CAS# 9003-53-6; No; Polystyrene.

Transportation Data:

DOT Proper Shipping Name: Polystyrene Beads, Expandable.

DOT Technical Name: None.

DOT Primary Hazard Class: 9.

DOT Secondary Hazard Class: None.

DOT Placard Required: None.

DOT Poison Constituent: None.

DRYVIT SYSTEMS, INC. Page 2 of 3 **EPS Insulation Board**

Date Issued: May, 1999 (replaces February, 1994)

Commodity Codes: UN/NA Code: 2211; E/R Guide: 32.

Bill of Lading: Polystyrene beads, expandable, 9, UN2211, PGIII, ERG 32 (Plastic Material, O/T Expanded Flakes, NOI Granules, Pellets, Powder or Solid Mass).

This Material Safety Data Sheet (MSDS) has been developed for current compliance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

The information contained herein is based upon data considered accurate. Dryvit Systems, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by this material. Such vendees and users assume all risks associated with the use of this material.

MSDS –EPS Insulation Board (input 5/99; replaces 2/94) MSDS #015

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(401) 822-4100

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WOODLAKE, CA
(559) 564-3591

STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #34

Product(s) Covered by this MSDS:

Sprint® Adhesive

Date Issued: May, 1999(Replaces February, 1991)

DOT Classification: Non-Hazardous

HMIS Ratings: Health: 1 Fire: 0

Reactivity: 0 Personal Protection: A

Component Information and Hazards:

| Ingredients | CAS#; List | OSHA-PEL | ACGIH-TLV | % by Weight |
|-----------------------------------|----------------|-------------------|-------------------|-------------|
| | | mg/m ³ | mg/m ³ | |
| Sand (Encapsulated) | 14808-60-7 | 15 | 10 | 63 – 65% |
| Water | 7732-18-5 | NE | NE | 16 – 18% |
| Acrylic Latex CoPolymer/Binder | Not Applicable | NE | NE | 15 – 16% |

Physical/Chemical Characteristics:

Opaque, semi-solid, wet-stucco like material. Slight ammonia odor.

Specific Gravity: 1.75 – 1.9.

Fire Hazard Data:

Flash Point: Not applicable.

Extinguishing Media: Use extinguishing material suitable for surrounding fire. Closed plastic containers may build up pressure, rupture, or melt due to extreme heat exposure.

Fire Fighters: Wear positive pressure, self-contained breathing apparatus (SCBA) in enclosed areas.

Reactivity Data:

Stability: Stable.

Thermal Decomposition Products: CO, CO₂, CN, NO_x.

Hazardous Polymerization: Will not occur. Not compatible with strong oxidizing agents or strong acids.

Health Hazard Data:

Routes of Entry: No known specific skin, inhalation or ingestion hazard.

Carcinogens: None listed.

Health Hazards: Irritating and abrasive if splashed into the eye because of sand content; may be a skin irritant to sensitive individuals. No acute or chronic hazards are known for the material as packaged at point of manufacture.

Symptoms of Overexposure: None established. Non-specific irritation is possible in sensitive individuals. No known medical conditions aggravated by exposure.

Emergency and First Aid Procedures: Treat for symptoms. If irritation of the eyes, nose, or throat occurs, move to fresh air. If material gets in eyes, wash eyes immediately with large amounts of water lifting eye lids occasionally. Get medical attention.

DRYVIT SYSTEMS, INC. Page 2 of 2

Sprint® Adhesive

Date Issued: May, 1999 (replaces February, 1991)

Control and Protective Measures:**Protective Gloves:** As needed for physical protection.**Eye Protection:** Safety or splash goggles recommended.**Other Equipment:** Long sleeves, apron as needed.**Respiratory Protection:** Not required for wet mixture used exterior or in well-ventilated areas. Approved mechanical filter respirator should be used to remove solid airborne particles during spray, sawing, and sanding operations.**Ventilation:** None required when used exterior. Provide adequate air movement and mechanical ventilation if used in an enclosed area.**Work Practices:** Observe rules for good personal hygiene and work practices. Wash hands before smoking, eating, or using toilet facilities.

Precautions for Safe Handling & Use/Leak Procedures:**Spills:** Shovel and recover; then dispose of as common waste. Do not flush to sewer or streams; material can clog drains and make streams turbid.**Waste Disposal:** Non-regulated material.**Storage:** Keep from freezing.

EPA Supplier Notification/Environmental:

- This trade name product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.
- This product contains no ingredients on the list of Extremely Hazardous Substances for SARA Emergency Planning.
- Tier I / Tier II Hazard Category (40 CFR 370): Immediate Health Hazard.

This Material Safety Data Sheet (MSDS) has been developed for current compliance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

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MSDS – Sprint® Adhesive (input 5/99; replaces 2/91)
MSDS #34

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WEST WARWICK, RI
(401) 822-4100

COLUMBUS, GA
(706) 563-8021

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(918) 245-0216

WOODLAKE, CA
(559) 564-3591

STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #7

Product(s) Covered by this MSDS:

- 1) Primus®
- 2) Genesis®

Date Issued: April, 1999(Replaces April, 1993)

DOT Classification: Non-Hazardous

HMIS Ratings: Health: 1 Fire: 0

Reactivity: 0 Personal Protection: B

Component Information and Hazards:

| Ingredients | CAS#: List | OSHA-PEL mg/m ³ | ACGIH-TLV mg/m ³ | % by Weight |
|---------------------------------|----------------|-------------------------------|--------------------------------|-------------|
| Sand (Encapsulated) | 14808-60-7 | 15 | 10 | 62 – 64% |
| Water | 7732-18-5 | NE | NE | 26 – 28% |
| Acrylic Latex Polymer/Binder | Not Applicable | NE | NE | 9.9 – 10.2% |

Physical/Chemical Characteristics:

Opaque, semi-solid, wet stucco-like material. Slight ammonia odor.

Specific Gravity: 1.55 – 1.7.

Fire Hazard Data:

Flash Point: Not applicable.

Extinguishing Media: Use extinguishing material suitable for surrounding fire. Closed plastic containers may build up pressure, rupture, or melt due to extreme heat exposure.

Fire Fighters: Wear positive pressure, self-contained breathing apparatus (SCBA) in enclosed area.

Reactivity Data:

Stability: Stable

Thermal Decomposition Products: CO, CO₂, CN, NO_x.

Hazardous Polymerization: Will not occur. Not compatible with strong oxidizing agents or strong acids.

Health Hazard Data:

Routes of Entry: No known specific skin, inhalation or ingestion hazard.

Carcinogens: None listed.

Health Hazards: Irritating and abrasive if splashed into the eye because of sand content; may be a skin irritant to sensitive individuals. No acute or chronic hazards are known for the material as packaged at point of manufacture.

Symptoms of Overexposure: None established. Non-specific irritation is possible in sensitive individuals. No known medical conditions aggravated by exposure.

Emergency and First Aid Procedures: Treat for symptoms. If irritation of the eyes, nose, or throat occurs, move to fresh air. If material gets in eyes, wash eyes immediately with large amounts of water lifting eye lids occasionally. Get medical attention.

Mixing Caution: See the Material Safety Data Sheet for Portland Cement and observe all precautions listed on bag(s) of Portland Cement before mixing with these products. When dry, powdered, Portland Cement is added to these products, a caustic, corrosive mixture is formed. This new wet (unhardened) mixture can cause chemical burns to skin and eyes on contact. **Note:** In case of skin contact, wash affected skin thoroughly with water, and remove any affected wet clothing to avoid skin burns. In case of eye contact, flush eyes with running water for 15 minutes and get medical attention immediately. Permanent injury can occur if washing is delayed.

DRYVIT SYSTEMS, INC. Page 2 of Primus®/Genesis®

Date Issued: April, 1999 (replaces April, 1993)

Control and Protective Measures:

Precautions for Handling: Wear chemical splash goggles and waterproof gloves while making and using the new wet product.

Protective Gloves: Waterproof gloves when Portland Cement is added.

Eye Protection: Safety or chemical splash goggles; ANSI Z87.1 or equivalent.

Other Equipment: Long sleeves, apron as needed.

Ventilation: None required when used exterior. Provide adequate air movement and mechanical ventilation if used in an enclosed area.

Respiratory Protection: Not required for wet mixture used in well-ventilated areas. Approved mechanical filter respirator should be used to remove solid airborne particles during spray, sawing, and sanding operations.

Work Practices: Observe rules for good personal hygiene and work practices. Wash hands before smoking, eating, or using toilet facilities.

Precautions for Safe Handling & Use/Leak Procedures:

Spills: Shovel and recover; allow material to solidify, then dispose of as ordinary trash. Do not flush to sewer or streams; material can clog drains and make streams turbid.

Waste Disposal: Non-regulated material.

Storage: Keep from freezing.

EPA Supplier Notification/Environmental:

- These trade name products contain no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.
 - These products contain no ingredients on the list of Extremely Hazardous Substances for SARA Emergency Planning.
 - Tier I / Tier II Hazard Category (40 CFR 370): Immediate Health Hazard.
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MSDS – Primus®/Genesis (input 4/99; replaces 4/93) – MSDS #7

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WEST WARWICK, RI
(401) 822-4100

COLUMBUS, GA
(706) 563-8021

SAND SPRINGS, OK
(918) 245-0216

WOODLAKE, CA
(559) 564-3591

STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #19

Product(s) Covered by this MSDS:

- | | |
|-----------------------|---------------------------|
| 1) Standard™ Mesh | 7) Ultramesh® |
| 2) Intermediate® Mesh | 8) I.S. Reinforcing Mesh™ |
| 3) Corner™ Mesh | 9) Standard Plus™ Mesh |
| 4) Panzer® 15 Mesh | 10) 4" Reinforcing Mesh™ |
| 5) Panzer® 20 Mesh | 11) Detail® Mesh |
| 6) Sprint® Mesh | |

Date Issued: April, 1999(Replaces December, 1994)

DOT Classification: Non-Hazardous

HMIS Ratings: Health: 1 Fire: 0
Reactivity: 0 Personal Protection: A

Component Information and Hazards:

- These fabrics consist of yarns with a pigmented organic finish.
- The finish comprises a minimum 10% of the fabric weight.
- These fiberglass yarns used have fiber diameters ranging from 9-13 microns.
- Occupational exposure limits for respirable fibrous glass dust are listed.

| CAS#; List | OSHA-PEL | ACGIH-TLV | NIOSH |
|------------|----------------------|----------------------|---------------|
| 65997-17-3 | 15 mg/M ³ | 10 mg/M ³ | 3 Fibers / cc |

- Respirable fibrous glass is considered to be glass fibers with a diameter of 3.5 microns or less.
- Respirable fibrous glass dust of 3.5 micron diameter or less is not likely to result from normal cutting operations on these fabrics.

Physical/Chemical Characteristics:

Mesh fabrics or various weights and stiffness; blue color.

Specific Gravity: Not applicable.

Fire Hazard Data:

Flash Point: Not applicable. Organic coatings used are self-extinguishing.

Extinguishing Media: Use extinguishing material suitable for surrounding fire.

Reactivity Data:

Stability: Stable.

Thermal Decomposition Products: CO, CO₂, CN, NO_x.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Health Hazard Data:

Routes of Entry: No known specific skin, inhalation or ingestion hazard.

Carcinogens: None listed.

Health Hazards:

Skin: Prolonged exposure to cut, airborne fibers may be a skin irritant to sensitive individuals. No chronic skin exposure hazards are known.

Respiratory: Exposure to cut, airborne fibers may cause acute mechanical irritation of the mouth, nose and throat to sensitive individuals. No chronic respiratory hazards, or increased rates of lung cancer have been demonstrated in animal studies when animals breathed large quantities of glass fibers.

DRYVIT SYSTEMS, INC. Page 2 of 2,
 Standard™ Mesh / Intermediate® Mesh /
 Corner™ Mesh / Panzer® 15 Mesh /
 Panzer® 20 Mesh / Sprint® Mesh /
 Ultramesh® / I.S. Reinforcing Mesh™ /
 Standard Plus™ Mesh / 4" Reinforcing Mesh™ /
 Detail® Mesh

Date Issued: April, 1999 (replaces December, 1994)

Symptoms of Overexposure: None established. Non-specific irritation is possible in sensitive individuals. No known medical conditions aggravated by exposure.

Emergency and First Aid Procedures: Treat for symptoms. If irritation of the eyes, nose, or throat occurs, move to fresh air. If material gets in eyes, wash eyes immediately with large amounts of water lifting eye lids occasionally. Cleanse skin with mild soap and cool water. Get medical attention.

Control and Protective Measures:

Protective Gloves: As needed for physical protection, especially when using cutting tools.

Eye Protection: Safety goggles recommended.

Respiratory Protection: Dust mask recommended during cutting operations.

Ventilation: None required when used exterior. Provide adequate air movement and mechanical ventilation if used in an enclosed area.

Work Practices: Observe rules for good personal hygiene and work practices. Wash hands before smoking, eating, or using toilet facilities.

Precautions for Safe Handling & Use/Leak Procedures:

Waste Disposal: Non-regulated material, dispose of as common waste in accordance with any local or federal laws for any inorganic sanitary product.

EPA Supplier Notification/Environmental:

- These trade name products contain no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.
- These products contain no ingredients on the list of Extremely Hazardous Substances for SARA Emergency Planning.
- Tier I / Tier II Hazard Category (40 CFR 370): Immediate Health Hazard.

This Material Safety Data Sheet (MSDS) has been developed for current compliance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

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*MSDS – Standard™ Mesh / Intermediate® Mesh / Corner™ Mesh / Panzer® 15 Mesh / Panzer® 20 Mesh / Sprint® Mesh / Ultramesh® / I.S. Reinforcing Mesh™ / Standard Plus™ Mesh / 4" Reinforcing Mesh™ / Detail® Mesh (input 4/99; replaces 12/94)
 MSDS #19*

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WEST WARWICK, RI
(401) 822-4100

COLUMBUS, GA
(706) 563-8021

SAND SPRINGS, OK
(918) 245-0216

WOODLAKE, CA
(559) 564-3591

STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #9

Product(s) Covered by this MSDS:

- 1) **Color Prime™** (Offered in a wide variety of colors.)
- 2) **Weatherprime®** (Offered in a wide variety of colors.)

Date Issued: April, 1999 (Replaces September, 1997)

DOT Classification: Non-Hazardous

HMIS Ratings: Health: 1 Fire: 0

Reactivity: 0 Personal Protection: A

Component Information and Hazards:

| Ingredients | CAS#, List | OSHA-PEL mg/m ³ | ACGIH-TLV mg/m ³ | % by Weight |
|---------------------------------|----------------|-------------------------------|--------------------------------|-------------|
| Water | 7732-18-5 | NE | NE | 40 – 41% |
| Acrylic Latex Polymer/Binder | Not Applicable | NE | NE | 17 – 18% |
| Titanium Dioxide (Rutile) | 13463-67-7 | NE | 5 | 0.5 – 9.9% |
| Propylene Glycol | 57566 | NE | NE | 1.4 – 1.5% |
| Calcium Carbonate | (1317635) | NE | NE | 16 – 23% |

Physical/Chemical Characteristics:

Opaque, thick, flowable liquid. Slight ammonia odor.

Specific Gravity: 1.2 – 1.45

Fire Hazard Data:

Flash Point: Not applicable.

Extinguishing Media: Use extinguishing material suitable for surrounding fire. Closed plastic containers may build up pressure, rupture, or melt due to extreme heat exposure.

Fire Fighters: Wear positive pressure, self-contained breathing apparatus (SCBA) in enclosed areas.

Reactivity Data:

Stability: Stable

Thermal Decomposition Products: CO, CO₂, CN, NO_x

Hazardous Polymerization: Will not occur. Not compatible with strong oxidizing agents or strong acids.

Health Hazard Data:

Routes of Entry: No known specific skin, inhalation or ingestion hazard.

Carcinogens: None listed.

Health Hazards: Irritating and abrasive if splashed into the eye because of filler content; may be a skin irritant to sensitive individuals. No acute or chronic hazards are known for the material as packaged at point of manufacture.

Symptoms of Overexposure: None established. Non-specific irritation is possible in sensitive individuals. No known medical conditions aggravated by exposure.

Emergency and First Aid Procedures: Treat for symptoms. If irritation of the eyes, nose, or throat occurs, move to fresh air. If material gets in eyes, wash eyes immediately with large amounts of water lifting eye lids occasionally. Get medical attention.

DRYVIT SYSTEMS, INC. Page 2 of 2 **Color Prime™/Weatherprime®**

Date Issued: April, 1999 (replaces September, 1997)

Control and Protective Measures:**Protective Gloves:** As needed for physical protection.**Eye Protection:** Safety or splash goggles recommended.**Other Equipment:** Long sleeves, apron as needed.**Respiratory Protection:** Not required for wet mixture used exterior or in well-ventilated area. Approved mechanical filter respirator should be used to remove solid airborne particles during spray, sawing, and sanding operations on dried film.**Ventilation:** None required when used exterior. Provide adequate air movement and mechanical ventilation if used in an enclosed area.**Work Practices:** Observe rules for good personal hygiene and work practices. Wash hands before smoking, eating, or using toilet facilities.

Precautions for Safe Handling & Use/Leak Procedures:**Spills:** Shovel and recover; then dispose of as common waste. Do not flush to sewer or streams; material can clog drains and make streams turbid.**Waste Disposal:** Non-regulated material.**Storage:** Keep from freezing.

EPA Supplier Notification/Environmental:

- These trade name products contain no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.
- These products contain no ingredients on the list of Extremely Hazardous Substances for SARA Emergency Planning.
- Tier I / Tier II Hazard Category (40 CFR 370): Immediate Health Hazard.

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MSDS – Color Prime™/Weatherprime®t (input 4/99; replaces 9/97) – MSDS #9

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COLUMBUS, GA
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WOODLAKE, CA
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STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #16

Product(s) Covered by this MSDS:

- 1) Quarzputz® Finish
- 2) Sandblast® Finish
- 3) Freestyle® Finish

Date Issued: April, 1999(Replaces December, 1994)

DOT Classification: Non-Hazardous

HMIS Ratings: Health: 1 Fire: 0

Reactivity: 0 Personal Protection: A

(Products offered in a wide variety of colors).

Component Information and Hazards:

| Ingredients | CAS#; List | OSHA-PEL mg/m ³ | ACGIH-TLV mg/m ³ | % by Weight |
|---------------------------------|----------------|-------------------------------|--------------------------------|-------------|
| Sand (Encapsulated) | 14808-60-7 | 15 | 10 | 63 – 67% |
| Water | 7732-18-5 | NE | NE | 12 – 15% |
| Acrylic Latex Polymer/Binder | Not Applicable | NE | NE | 8.5 – 10.2% |
| Titanium Dioxide (Rutile) | 13463-67-7 | NE | 5 | 1.0 – 5.5% |

Physical and Chemical Characteristics:

Opaque, semi-solid, wet stucco-like material. Slight ammonia odor.

Specific Gravity: 1.75 – 1.9.

Fire Hazard Data:

Flash Point: Not applicable.

Extinguishing Media: Use extinguishing material suitable for surrounding fire. Closed plastic containers may build up pressure, rupture, or melt due to extreme heat exposure.

Fire Fighters: Wear positive pressure, self-contained breathing apparatus (SCBA) in enclosed areas.

Reactivity Data:

Stability: Stable

Thermal Decomposition Products: CO, CO₂, CN, NO_x

Hazardous Polymerization: Will not occur. Not compatible with strong oxidizing agents or strong acids.

Health Hazard Data:

Routes of Entry: No known specific skin, inhalation or ingestion hazard.

Carcinogens: None listed.

Health Hazards: Irritating and abrasive if splashed into the eye because of sand content; may be a skin irritant to sensitive individuals. No acute or chronic hazards are known for the material as packaged at point of manufacture.

Symptoms of Overexposure: None established. Non-specific irritation is possible in sensitive individuals. No known medical conditions aggravated by exposure.

Emergency and First Aid Procedures: Treat for symptoms. If irritation of the eyes, nose, or throat occurs, move to fresh air. If material gets in eyes, wash eyes immediately with large amounts of water, lifting eye lids occasionally. Get medical attention.

DRYVIT SYSTEMS, INC. Page 2 of 2 Quarzputz® Finish / Sandblast® Finish / Freestyle® Finish
Date Issued: April, 1999 (replaces December, 1994)

Control and Protective Measures:

Protective Gloves: As needed for physical protection.

Eye Protection: Safety or splash goggles recommended.

Other Equipment: Long sleeves, apron as needed.

Respiratory Protection: Not required for wet mixture used exterior or in well-ventilated areas. Approved mechanical filter respirator should be used to remove solid airborne particles during spray, sawing, and sanding operations.

Ventilation: None required when used exterior. Provide adequate air movement and mechanical ventilation if used in an enclosed area.

Work Practices: Observe rules for good personal hygiene and work practices. Wash hands before smoking, eating, or using toilet facilities.

Precautions for Safe Handling & Use/Leak Procedures:

Spills: Shovel and recover; then dispose of as common waste. Do not flush to sewer or streams: material can clog drains and make streams turbid.

Waste Disposal: Non-regulated material.

Storage: Keep from freezing.

EPA Supplier Notification/Environmental:

- These trade name products contain no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.
 - These products contain no ingredients on the list of Extremely Hazardous Substances for SARA Emergency Planning.
 - Tier I / Tier II Hazard Category (40 CFR 370): Immediate Health Hazard.
-
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This Material Safety Data Sheet (MSDS) has been developed for current compliance with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

The information contained herein is based upon data considered accurate. Dryvit Systems, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees and users assume all risks associated with the use of these materials.

MSDS –Quarzputz® Finish/ Sandblast® Finish/ Freestyle® Finish (input 4/99; replaces 12/94) MSDS #16

Dryvit Systems, Inc.



WEST WARWICK, RI
(401) 822-4100

COLUMBUS, GA
(706) 563-8021

SAND SPRINGS, OK
(918) 245-0216

WOODLAKE, CA
(559) 564-3591

STOUFFVILLE, ON
(905) 642-0444

MATERIAL SAFETY DATA SHEET #21

Product(s) Covered by this MSDS:

Sandpebble™ Finish
(Coarse and Heavy Textures; All Colors)

Date Issued: April, 1999(Replaces September, 1990)

DOT Classification: Non-Combustible

HMIS Ratings: Health: 1 Fire: 0

Reactivity: 0 Personal Protection: A

Component Information and Hazards:

| Ingredients | CAS#; List | TWA-TLV | % by Weight |
|---|------------|-------------------|-------------|
| Stoddard Solvent | 8052-41-3 | 100 ppm TWA/ACGIH | 1.0 – 1.1% |
| Hydrotreated Heavy Naphtha | 64742-48-9 | 100 ppm TWA/ACGIH | 1.4% |
| 2,2,4 – Trimethyl – 1,3 – Penatnediol Monoisobutyrate | 25265-77-4 | ---- | 1.4% |

Physical/Chemical Characteristics:

Boiling Range: Over 212°F.

Vapor Density: Heavy.

Evaporation Rate: Slower than ether.

Percentage Volatile by Volume: 30 – 33%

Weight per Gallon: 15 – 16 lbs.

Fire Hazard Data:

Flash Point: Non-combustible.

Extinguishing Media: Foam, CO₂, dry chemical, water and fog.

Unusual Fire and Explosion Hazards: Closed containers may build up pressure due to heat exposure. Plastic containers may rupture or melt due to extreme heat.

Reactivity Data:

Stability: Stable.

Conditions to Avoid: None known.

Incompatibility: Strong oxidation and reduction agents.

Hazardous Decomposition Products: Hazardous decomposition products may be generated when heated to decomposition. These decomposition products will contain oxides of carbon and nitrogen.

Hazardous Polymerization: Will not occur.

Health Hazard Data:

Effects of Overexposure:

Ingestion: Consult a physician.

Inhalation: May cause headache and nausea. Remove to fresh air; consult a physician.

Eyes: Primary irritation, wash with clean water for 15 minutes; consult a physician.

Skin: Possible primary irritation; wash with soap and water; consult a physician.

DRYVIT SYSTEMS, INC. Page 2 of 2 **Sandpebble™ Finish**

(Coarse & Heavy Textures; All Colors)

Date Issued: April, 1999 (replaces September, 1990)

Control and Protective Measures:

Respiratory Protection: None required when used in well-ventilated areas. Approved mechanical filter respirator should be used to remove solid airborne particles of overspray during spray and sanding operations.

Ventilation: Open window, exhaust fan.

Protective Gloves: Required to prevent prolonged and repeated skin contact.

Eye Protection: Use protective glasses to prevent accidental injury to eyes.

Other Equipment: Use full-length clothing to prevent prolonged and repeated skin contact.

Precautions for Safe Handling & Use/Leak Procedures:

Spills: Scoop up with shovel and dispose of as rubbish.

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

Storage: Keep from freezing.

EPA Supplier Notification/Environmental:

- This trade name product contains no chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Re-authorization Act of 1986 (SARA) and 40 CFR Part 372.
 - This product contains no ingredients on the list of Extremely Hazardous Substances for SARA Emergency Planning.
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MSDS – Sandpebble™ Finish (Coarse & Heavy Textures / All Colors) (input 4/99; replaces 9/90)

MSDS #21