MATERIAL SAFETY DATA SHEET

Product Name: POLYISOBUTYLENE (R) ALL-PURPOSE ADHESIVE CAULK

Company Identification: OSI SEALANTS, INC.
7405 PRODUCTION DRIVE
MENTOR OH 44060

Contact: Safety Officer
Telephone/Fax: (440) 282-8900 (440) 974-2395
Emergency Phone (24 hour) CHEMTREC
(800) 424-9300
(703) 527-8087
Preparer: T.F. Barr
Sr. R&D Chemist

Product Class: CAULK
Trade Name: POLYISOBUTYLENE
Product Code: ---

SECTION II - INGREDIENT AND HAZARD INFORMATION

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent</th>
<th>TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Butyl Acetate</td>
<td>0123-86-4</td>
<td>&lt; 5.0</td>
<td>Y</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-97-7</td>
<td>&lt; 2.0</td>
<td>Y</td>
</tr>
</tbody>
</table>

Notes: The main hazard for Titanium Dioxide is dust inhalation. Because of its incorporation into the caulk, exposure by inhalation is unlikely.

SECTION III - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>High viscosity caulk</td>
</tr>
<tr>
<td>Appearance/Color</td>
<td>White &amp; colors</td>
</tr>
<tr>
<td>Odor</td>
<td>Banana odor</td>
</tr>
<tr>
<td>Solubility (in water)</td>
<td>yes</td>
</tr>
<tr>
<td>pH Value, 4/25°C</td>
<td>7.3</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>312°F (100°C)</td>
</tr>
</tbody>
</table>
MATERIAL SAFETY DATA SHEET

MSDS Name: POLYSTYRENE (R) ALL-PURPOSE ADHESIVE CAULK
MSDS Number: 931151
Version Number: 1
MSDS Date: JAN-14-2001
Page Number: 3

Vapor Pressure (mmHg): 15.9 84.6°F (20.0°C)
Evaporation Rate: 0.5 times slower than n-Butyl Acetate

Vapor Density: Heavier than air

% Volatile, Weight: approx. 30%
% Volatile, Volume: approx. 45%
Specific Gravity: 1.246
VOC (less H2O or exempt): 93 Gr/L
Heavy Metals (ppm): 0

NOTES:
Freeze Point: 32 Deg F

SECTION IV - FIRE FIGHTING MEASURES (Flash,UEL,LEL for solvent only)
Flammability Class: N/A
Flash Range: Not Available
Explosive Range (UEL/UEL): Not Applicable

EXTINGUISHING MEDIA:
Dry chemical -- Carbon Dioxide -- Foam -- Water Fog

SPECIAL FIRE-FIGHTING PROCEDURES:
Water may be used to cool and protect exposed containers.
Caution should be taken because uncured material is water soluble.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Any closed container may burst when exposed to extreme heat or fire.

SECTION V - HEALTH HAZARD DATA

ROUTES OF ENTRY:
ENTRY THROUGH...
Inhalation? Yes | Skin? Yes | Ingestion? Yes

TARGET ORGANS...
-- Butyl Acetate: Eyes
-- Titanium Dioxide: Eyes, Skin, Lung

Overexposure -- Butyl Acetate: Eye contact causes severe irritation. Vapors may be irritating and cause dizziness, headache, nausea, vomiting and narcosis.
-- Titanium Dioxide: Respiratory Tract Irritant (Dust only)

CARCINOGENICITY...H31? N/R | IARC NO | OSHA? N/R
MATERIAL SAFETY DATA SHEET

MDS No: POLYBEAMSHEL(2) ALL-PURPOSE ADHESIVE CAULK
MDS No: 0D1S11
Version No: 1
MDS Date: JAN-24-2001
Page No: 3

EFFECTS OF OVEREXPOSURE
Inhalation: May irritate respiratory tract.
Skin/Eye Contact: May cause irritation.
Ingestion: Swallowing large amounts may cause nausea, vomiting. (An unlikely route of entry)
NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain, nervous system, liver or kidney damage or may cause cardiac arrhythmias. INTENTIONAL misuse of this product by deliberately inhaling its vapors may be harmful or fatal.

FIRST AID MEASURES
Inhalation: If affected by inhalation, remove to fresh air.
Eye Contact: Flush with water for at least 15 minutes, and get prompt medical attention.
Skin Contact: Wash skin thoroughly with soap and water.
Ingestion: Drink water, and get medical attention.

N/A: Not applicable N/A: Not available N/S, N/est=Not established

SECTION VI - STABILITY AND REACTIVITY
Stability: This product is stable
Hazardous Polymerisation: Hazardous polymerisation will not occur

INCOMPATIBILITY:
None

CONDITIONS TO AVOID:
None

HAZARDOUS DECOMPOSITION PRODUCTS:
May produce oxides of carbon and oxides of nitrogen when burned.

SECTION VII - ACCIDENTAL RELEASE AND DISPOSAL MEASURES:

STEPS TO BE TAKEN IN CASE OF SPILL:
Wear appropriate protective clothing. Add dry absorbent and shovel or sweep up. Place in an appropriate container and seal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with Federal, State, and Local regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits
MATERIAL SAFETY DATA SHEET

MSDS Name: POLYSAMSEAL(R) ALL-PURPOSE ADHESIVE CAULK
MSDS Number: s011511
Version Number: 1
MSDS Date: JAN-24-2001
Page Number: 4

<table>
<thead>
<tr>
<th>ACGIH TLV</th>
<th>ACGIH TLV-C</th>
<th>ACGIH STEL</th>
<th>OSHA STEL</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Butyl Acetate</td>
<td>150.00 PPM</td>
<td>N/a</td>
<td>200.00 PPM</td>
<td>200.00 PPM</td>
</tr>
<tr>
<td>Titanium Dioxide **</td>
<td>15.00 mg/F3</td>
<td>N/a</td>
<td>N/a</td>
<td>N/a</td>
</tr>
</tbody>
</table>

RESPIRATORY PROTECTION:
NOMINALLY approved respirators recommended if vapors and mists are generated.

VENTILATION:
Local exhaust is recommended for safe practice.

PROTECTIVE CLOTHING:
Rubber gloves and impervious clothing should be worn to prevent repeated skin contact.

EYE PROTECTION:
Splashproof goggles or safety glasses should be worn.

HANDLING AND STORAGE PRECAUTIONS:
Keep from freezing; keep away from heat.
Keep out of the reach of children.
Keep containers closed when not in use.
Avoid prolonged or repeated contact with skin.

SECTION IX - TRANSPORT INFORMATION:

DOT CLASSIFICATIONS FOR CARTRIDGES:
10 or 20 oz.

DESCRIPTION:
Non-hazardous

DOT CLASSIFICATIONS FOR 1 GALLON or larger CONTAINERS:

DESCRIPTION:
Non-hazardous
Caulking type product

SECTION X - REGULATORY INFORMATION:
The following ingredients are registered for TSCA 128

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Butyl Acetate</td>
<td>91-23-86-4</td>
<td>4.76</td>
</tr>
</tbody>
</table>
MATERIAL SAFETY DATA SHEET

MSDS Name: POLYSEAMSEAL(R) ALL-PURPOSE ADHESIVE CAULK
MSDS Number: 4D1311
Version Number: 1
MSDS Date: JAN-24-2001
Page Number: 3

The components fit the EPA Hazard Category definition of Immediate (Acute) and Delayed (Chronic) Health Hazards under SARA Sections 311, 312.
All chemical substances are TSCA listed.
SARA Section 313 toxic chemicals: NONE above the de minimis reporting thresholds.
California PROPS 65 Chemicals: none known

DISCLAIMER:
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