1. PRODUCT AND COMPANY INFORMATION

Company: BASF Building Systems
889 Valley Park Drive
Shakopee, MN 55379

Telephone: 952-496-6000
Emergency telephone number: (800) 424-9300
(703) 527-3887 (Outside Continental US)

Product name: COLORFLEX
MSDS ID No.: 10652

TSCA Inventory: All components of this product are included, or are exempt from inclusion, in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Canadian DSL: All components of this product are included, or are exempt from inclusion, in the Canadian Domestic Substance List (DSL).

Product Use Description: Coating

2. HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical</th>
<th>CAS No.</th>
<th>TLV</th>
<th>STEL</th>
<th>PEL</th>
<th>CEIL</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC OXIDE</td>
<td>1314-13-2</td>
<td>5 mg/m3</td>
<td>10 mg/m3</td>
<td>5 mg/m3</td>
<td>N.E.</td>
<td>1.00 - 5.00 %</td>
</tr>
<tr>
<td>SILICA, CRYSTALLINE QUARTZ</td>
<td>14808-60-7</td>
<td>0.05 mg/m3</td>
<td>N.E.</td>
<td>0.1 mg/m3</td>
<td>N.E.</td>
<td>1.00 - 5.00 %</td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>107-21-1</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>100 mg/m3</td>
<td>1.00 - 5.00 %</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

HMIS® Rating
- HEALTH: 1
- FLAMMABILITY: 1
- PHYSICAL HAZARD: 0

WHMIS Class: D2B

Primary Routes of Entry:
- Skin contact
- Inhalation
- Eye contact

Effects of Overexposure

Inhalation:
Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Prolonged inhalation can be harmful.

Skin:
Prolonged skin contact may defat the skin and produce dermatitis. Prolonged or repeated exposure can cause skin irritation and redness.
Eyes : Can cause slight irritation.

Ingestion : Can cause slight irritation. Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, and drowsiness.

Chronic exposure : Prolonged or repeated exposure may cause injuries to the kidney. This product contains Crystalline (quartz) Silica which has been listed as a human carcinogen by NTP (Group 1) and IARC (Human Carcinogen) and a Suspected Human Carcinogen by ACGIH (category A2). Repeated or prolonged over exposure to free respirable Crystalline (quartz) silica can cause silicosis or other delayed and serious lung injury. No exposure to respirable Crystalline (quartz) Silica anticipated with recommended use of product.

Carcinogenicity

<table>
<thead>
<tr>
<th></th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC OXIDE</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
<tr>
<td>SILICA, CRYSTALLINE QUARTZ</td>
<td>Suspected human carcinogen</td>
<td>Human carcinogen</td>
<td>N.E.</td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>Not classifiable as a human carcinogen</td>
<td>N.E.</td>
<td>N.E.</td>
<td>N.E.</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye contact : Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin contact : Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.

Ingestion : Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.

Inhalation : Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

5. FIRE-FIGHTING MEASURES

Flash point : 210.00 °F (98.89 °C)

Autoignition temperature : no data available

Lower explosion limit : 2.4 %(V)

Upper explosion limit : 12.5 %(V)

Suitable extinguishing media : Carbon dioxide, foam, dry chemical & water fog.

Fire and Explosion Hazards : Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water spray.

Special Fire-fighting Procedures : As in any fire, wear pressure demand self-contained breathing apparatus (NIOSH approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up : Wear appropriate protective equipment (refer to section 8). Take action to eliminate source of leak; prevent from entry into open streams or sewers; contain spill by diking; vacuum up liquid or use absorbent media; remove to storage for disposal and rinse residual stain with water.

7. HANDLING AND STORAGE

Handling : Keep out of reach of children. Use only in area provided with appropriate ventilation. For personal protection see section 8.

Storage : Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye protection : Wear as appropriate:
- safety glasses with side-shields
- goggles
- face-shield

Hand protection : Wear as appropriate:
- impervious gloves

Body Protection : Wear as appropriate:
- impervious clothing
- preventive skin protection

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use NIOSH approved respirators.

Hygienic Practices : Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

Engineering Controls : Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color : pigmented

Physical State : liquid

Odor : mild acrylic

pH : 8.8 - 9.2
Odor Threshold : no data available
Vapor Pressure : no data available
Vapor Density : Heavier than air
Boiling point/range : 365 - 374 °F (185 - 190 °C)
Freeze Point : 32 °F (0 °C)
Water solubility : partly soluble
Specific Gravity : 1
Viscosity : 125 - 132 KU
Evaporation rate : Slower than Butyl acetate
Partition coefficient (n-octanol/water) : no data available
VOC Concentration as applied (less water and exempt solvents) : 74 - 96 g/l

10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage conditions.
Conditions to avoid : Prolonged exposure to high temperatures
Materials to avoid : Strong mineral acids, Lewis acids, oxidizing agents, strong bases.
Hazardous decomposition products : Oxides of carbon, nitrogen oxides (NOx)
Hazardous polymerization : Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute inhalation toxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50</td>
<td>no data available</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Component

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
<th>Exposure time</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC OXIDE</td>
<td>LC50</td>
<td>no data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SILICA, CRYSTALLINE QUARTZ</td>
<td>LC50</td>
<td>no data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>LC50</td>
<td>no data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Acute oral toxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC OXIDE</td>
<td>LD50 (Oral)</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>SILICA, CRYSTALLINE QUARTZ</td>
<td>LD50 (Oral)</td>
<td>1,300 mg/kg</td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>LD50 (Oral)</td>
<td>4,700 mg/kg</td>
<td>rat</td>
</tr>
</tbody>
</table>

Acute dermal toxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>Type</th>
<th>Value</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZINC OXIDE</td>
<td>LD50 (Dermal)</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>SILICA, CRYSTALLINE QUARTZ</td>
<td>LD50 (Dermal)</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>ETHYLENE GLYCOL</td>
<td>LD50 (Dermal)</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicological Information : There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>DOT</th>
<th>Proper shipping name</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>IATA</td>
<td>Proper shipping name</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

15. REGULATORY INFORMATION

SARA 311/312 (RTK)
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD  DELAYED (CHRONIC) HEALTH HAZARD
SARA 313
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

<table>
<thead>
<tr>
<th>Weight %</th>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.00 - 5.00 %</td>
<td>1314-13-2</td>
<td>ZINC OXIDE</td>
</tr>
<tr>
<td>1.00 - 5.00 %</td>
<td>107-21-1</td>
<td>ETHYLENE GLYCOL</td>
</tr>
</tbody>
</table>

CERCLA
CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response Center (NRC) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

<table>
<thead>
<tr>
<th>RQ</th>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,000 lbs</td>
<td>107-21-1</td>
<td>ETHYLENE GLYCOL</td>
</tr>
</tbody>
</table>

TSCA Section 12(b) Export Notification
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are no TSCA 12(b) Chemicals in this product.

California Proposition 65
The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Chemical Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-91-1</td>
<td>DIOXANE</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>SILICA, CRYSTALLINE QUARTZ</td>
</tr>
<tr>
<td>75-07-0</td>
<td>ACETALDEHYDE</td>
</tr>
<tr>
<td>75-21-8</td>
<td>ETHYLENE OXIDE</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Legend : N.E. - Not Established  
          TLV - Threshold Limit Value  
          STEL - Short Term Exposure Limit  
          PEL - Permissible Exposure Limit  
          CEIL - Ceiling

Prepared By : Environment, Health and Safety Department

This information is furnished without warranty, representation, or license of any kind, except that this information is accurate to the best of the manufacturer's knowledge, or is obtained from sources believed by the manufacturer to be accurate and is not intended to be all inclusive. No warranty is expressed or implied regarding the accuracy of this information or the results to be obtained from its use thereof. The manufacturer assumes no responsibility for injuries proximately caused by use of the Material if reasonable safety procedures are not followed as stipulated in this Data Sheet. Additionally, the manufacturer assumes no responsibility for injuries proximately caused by abnormal use of the Material even if reasonable safety procedures are followed. Buyer assumes the
risk in its use of the Material.

End of MSDS.