SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Epoxy Textured Non-Slip Coating PART A
PRODUCT CODES: CFS1372500 A

MANUFACTURER: Concrete Flooring Supplies, Inc.
STREET ADDRESS: 21012 Rand Road
CITY, STATE, ZIP: Deer Park, IL 60047

INFORMATION PHONE: 855-409-3589
EMERGENCY PHONE: Chemtrec 800-424-9300

PREPARED BY: Harry Jackson
DATE REVISED: 1/2/13

SECTION 2: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION
HEALTH: 2              FLAMMABILITY: 1             REACTIVITY: 0             PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS
EYES: MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.
SKIN: MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE.
INGESTION: THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.
INHALATION: NO GUIDE FOR CONTROL KNOWN, HOWEVER, EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION TO THE NOSE, THROAT OR MUCOUS MEMBRANES.

HEALTH HAZARDS (ACUTE AND CHRONIC):
EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATION OF VAPOR. EYES: INJURY IF UNLIKELY BUT STAIN FOR EVIDENCE OF CORNEAL INJURY.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.

CARCINOGENICITY
OSHA: NO               NTP: YES              IARC: YES

ADDITIONAL CARCINOGENICITY INFORMATION:
IARC HAS DETERMINED THAT CRYSTALLINE SILICA INHALED IN THE FORM OF QUARTZ IS CARCINOGENIC TO HUMANS. NPT CLASSIFIES RESPIRABLE CRYSTALLINE SILICA AS REASONABLY ANTICIPATED TO BE A HUMAN CARCINOGEN. Some colors may contain carbon black - Explanation Of Carcinogenicity: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 65, PG 149, 1996: GROUP 2B. Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (group 2B).

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OSHA STEL</th>
<th>WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified Diglycidyl Ether of Bisphenol A</td>
<td>25068-38-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Alkyl Glcidyl Ether</td>
<td>69609-97-2</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>8052-41-3</td>
<td>100ppm</td>
<td>100 ppm</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>1-Methoxy-2-Propanol Acetate</td>
<td>108-65-6</td>
<td>50ppm</td>
<td>50ppm</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>*1,2,4-Trimethylbenzene</td>
<td>95-63-6</td>
<td>25ppm</td>
<td>25ppm</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha, petroleum, heavy aromatic</td>
<td>64742-94-5</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Hydrophobic Silica</td>
<td>67762-90-7</td>
<td>6mg/m3</td>
<td>10mg/m3</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Poly(terephthaloylchloride/P-phenylenediamine) (Para-aramid polymer)</td>
<td>26125-61-1</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Sodium Sulphate</td>
<td>7757-82-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>1344-28-1</td>
<td>10mg/m3</td>
<td>10mg/m3</td>
<td>20mg/m3</td>
<td></td>
</tr>
<tr>
<td>Silicon Dioxide</td>
<td>14808-60-7</td>
<td>10mg/m3</td>
<td>.1mg/m3</td>
<td>.1mg/m3</td>
<td>21.4</td>
</tr>
<tr>
<td>Colors may contain:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10mg/m3</td>
<td>10mg/m3</td>
<td>5mg/m3</td>
<td></td>
</tr>
<tr>
<td>*Carbon</td>
<td>1333-86-4</td>
<td>3.5PPM</td>
<td>3.4PPM</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Precipitated Silica</td>
<td>112926-00-8</td>
<td>NONE</td>
<td>80mg/m3</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>
### MATERIAL SAFETY DATA SHEET

**PRODUCT CODE:** CFS372500

<table>
<thead>
<tr>
<th>Materiel</th>
<th>Product Code</th>
<th>Limit Value (mg/m³)</th>
<th>Limit Value (mg/m³)</th>
<th>Limit Value (mg/m³)</th>
<th>Limit Value (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron III oxide</td>
<td>1309-37-1</td>
<td>10</td>
<td>5</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Yellow Pigment</td>
<td>Not available</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Zinc Sulfate (component of yellow pigment)</td>
<td>1314-98-3</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Barium Sulfate (component of yellow pigment)</td>
<td>7727-43-7</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide (component of yellow pigment)</td>
<td>13463-67-7</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Pigment yellow 65 (component of yellow pigment)</td>
<td>6528-34-3</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Iron III oxide</td>
<td>20344-49-4</td>
<td>15</td>
<td>5</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>C.I. Pigment Blue</td>
<td>147-14-8</td>
<td>1</td>
<td>1</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Aluminum Oxide</td>
<td>1344-28-1</td>
<td>15</td>
<td>10</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Silica, amorphous</td>
<td>7631-86-9</td>
<td>80</td>
<td>10</td>
<td>NONE</td>
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</tr>
<tr>
<td>Iron Oxide Yellow</td>
<td>51274-00-1</td>
<td>15</td>
<td>10</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Silica, amorphous</td>
<td>7631-86-9</td>
<td>80</td>
<td>10</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

### SECTION 3 NOTES:
*Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.

ACGIH STEL=150PPM FOR XYLENE.

### SECTION 4: FIRST AID MEASURES

**EYES:**
Flush eyes with water for at least fifteen minutes and consult a physician.

**SKIN:**
Skin contact will normally cause no more than irritation but wash affected area with soap and water and remove contaminated clothing promptly.

**INGESTION:**
Do not induce vomiting, keep person warm and consult a physician immediately.

**INHALATION:**
Remove victim to fresh air and administer oxygen if necessary.

### SECTION 5: FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Flammable Limits in Air</th>
<th>Upper: not available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>200+ F</td>
</tr>
</tbody>
</table>

**Method Used: Seta Flash**

**Extinguishing Media:**
Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog

**Special Fire Fighting Procedures:**
Do not enter confined area without full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool all fire exposed containers with water.

**Unusual Fire and Explosion Hazards:**
None known.

### SECTION 6: RELEASE MEASURES

**Stops to be Taken in Case Material is Released or Spilled:**
Wear respirator and protective clothing. Remove all sources of ignitions. Remove excess with vacuum truck and take up the remainder with an absorbent material such as clay and place in disposal containers. Flush area with water to remove residue.

### SECTION 7: HANDLING AND STORAGE

**Precautions to be Taken in Handling and Storage:**
Store in a cool dry place. Seal all partially used containers. Wash with soap and water before eating, drinking, smoking or using toilet facilities. Mixed materials contain the hazards of all the components, therefore, read the MSDS's of all the components prior to using material. Properly label all containers.

**Other Precautions:**
Avoid all skin contact. Avoid breathing vapors generated from the material. Observe conditions of good general hygiene and safe working practices. Contaminated leather articles can not be cleaned and must be discarded if contaminated with this product. Wash all contaminated clothing prior to the reuse thereof.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:**
Use a NIOSH approved respirator as required to prevent over exposure to vapor in accordance with 29 CFR 1910.134. General exhaust is usually sufficient in lieu of NIOSH Respirator.
VENTILATION:
GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS

PROTECTIVE GLOVES:
IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:
SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:
OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: VISCOSOUS LIQUID IN VARYING COLORS

BOILING POINT OR RANGE: 200 TO 315F

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H2O = 1): 1.8

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: NEGLIGIBLE

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):
AVOID EXCESSIVE HEAT OR OPEN FLAMES.

INCOMPATIBILITY (MATERIAL TO AVOID):
CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO2, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

Component CAS# 25068-38-6: Moderate sensitizer, slight eye irritant, moderate skin irritant, Oral LD50 >5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit)

Component CAS# 68609-97-2: possible sensitizer, eye and skin irritant, Oral LD50 >10000 mg/kg (rat), Inhalation LD50 – no microscopic changes

Component CAS# 8052-41-3: Draize test (rabbit) eye: 500 mg/24hr – Moderate. Epidemiology: Studies involving petroleum refinery workers indicate that persons with routine exposure to petroleum based constituents may be at an increased risk to the development of benign neoplasms, digestive tract cancer and skin cancer. LD50 oral >6000 mg/kg (rat). Dermal LD50 >3000 mg/kg (rabbit). Inhalation LC50 = 5500 mg/kg (4 hr) (rat). Component is a moderate skin irritant. Product is an eye irritant.

Component CAS# 108-65-6: Oral LD50 = 8532 mg/kg (rat). Dermal LD% >5000 mg/kg (rabbit). Inhalation LC50 >100ppm (4hr) (rat) Component is a moderate skin irritant. Product is an eye irritant

Component CAS# 95-63-6: Oral LD50 (rat) = 5000 mg/kg. Inhalation LC50 (rat) 4-h = 18000 mg/m3.

Component CAS# 67762-90-7: LD50 (rat >1000 mg/kg, LD50 dermal (rabbit) >2000 mg/kg

Epidemiological studies involving petroleum refinery workers indicate persons with routine exposure to petroleum or one of its constituents may be at an increased risk to the development of benign neoplasms, digestive tract cancer, and skin cancer. Component CAS# 26125-61-1 and Sodium Sulphate CAS# 7757-82-6: ORAL ALD > 7500 mg/kg in rats. Industrial experience shows the inhalation of these components dust and fly may cause mechanical irritation of the mucous membranes of nose and throat. Chronic inhalation effects: A 2 year inhalation study produced pulmonary fibrosis at 25, 100, & 400 F/CC.

Component Aluminum Oxide CAS# 1334-28-1: Special Remarks on Chronic Effects on Humans: May cause cancer (tumorigenic) according to animal data. No human data found. Special Remarks on other Toxic Effects on Humans: Acute Potential Health Effects: Skin: May cause skin irritation. Eyes: Nuissance Dust. Dust may cause mechanical eye irritation. Inhalation: Nuissance Dust. Material is irritating to mucous membranes and upper respiratory tract. May cause lung injury. Ingestion: May be harmful if swallowed. Ingestion of large amounts mat cause gastrointestinal tract irritation. It is expected to be a low hazard for normal industrial handling.

Component Silicon dioxide CAS# 14808-60-7: Inhalation and retention of respirable crystalline silica can cause silicosis in several forms, chronic, accelerated or acute. Acute silicosis can occur with exposures to high concentrations of respirable crystalline silica over a very short time period, the symptoms of acute silicosis include progressive shortness of breath, fever, cough, and weight loss. Acute silicosis can be fatal. IARC concluded that there was sufficient evidence in humans for the carcinogenicity of crystalline silica in the form of quartz (Group 1). Exposure to respirable crystalline silica can also be associated with autoimmune disease, tuberculosis, kidney damage, non-malignant respiratory...
disease. For further information, the NIOSH Hazard Review - Occupational Effects of Occupational Exposure to Respirable Crystalline Silica published in April of 2002 should be reviewed.

Component Titanium Dioxide: Inhalation 4 h LC50 > 6.82 mg/l; Oral LD50 > 5000 mg/kg, rat; In February 2006, IARC listed titanium dioxide as possibly carcinogenic to humans Group 2B.

Component CAS\# 67762-90-7: LD50 (rat) >1000 mg/kg, LD50 dermal (rabbit) >2000 mg/kg

Component Carbon: IARC lists carbon as a possible human carcinogen Category 2B. LD50 – Intravenous, mouse = 440 mg/kg

Component CAS\# 112926-00-8: LD50 (rat) >5000 mg/kg, LD50 dermal (rat) >2000 mg/kg

Component Iron III oxide CAS\# 1309-37-1: Acute Oral Toxicity LD50 >5000 mg/kg (rat). Acute Dermal Toxicity LD50 >5000 mg/kg (rat)

Component Yellow Pigment: Not Hazardous as defined by OSHA HC Standard 29 CFR 1810.1200. Acute oral value of 20 gm/kg or greater in rats

Component Iron III oxide CAS\# 20344-49-4: Acute Oral Toxicity LD50 >5000 mg/kg (rat).

SECTION 12: ECOLOGICAL INFORMATION

Component CAS\# 25068-38-6: Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l, Invertebrate Toxicity: Daphnia Toxicity (24hr) EC50 3.6 mg/l

Component CAS\# 95-63-6: Toxicity to fish LC50 (fathead minnow) 7.72 mg/l 96 hr. Toxicity to daphnia and other aquatic invertebrates: Immobilization EC50 (water flea) 3.6mg/l 48hr.

Component(s) Poly(terephthaloylchloride/P-phenylenediamine) (Para-aramid polymer) CAS\# 26125-61-1 and Sodium Sulphate CAS\# 7757-82-6: Component is non-biodegradable in the environment and do not leach material toxic to flora or fauna. Biocompatibility and aquatic toxicity tests give the following results: finishes do not appear to be inhibitory or toxic to microbes commonly found in biological treatment systems.

Component Aluminum Oxide CAS\# 1334-28-1: Products of Biodegradation: Possibly hazardous短期 degradation products are not likely. However, long term degradation products may arise Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Component Silicon Dioxide CAS\# 14808-60-7: There is no data that suggests that crystalline silica is toxic to birds, fish, invertebrates, microorganisms or plants.

Component Titanium Dioxide: Pimephales promelas (fathead minnow) < 1000 mg/l @ 96h LC50; Pseudokirchneriella subcapitate (green algae) 61 mg/l @ 72h EC50; Daphnia magna (water flea) > 1000 mg/l @ 48h EC50

Component CAS\# 112926-00-8: Ecotoxicity: EC50 (fish) .10000 mg/l (daphnia >10000 mg/l

Component Iron III oxide CAS\# 1309-37-1: Acute and Prolonged Toxicity to fish LCO >1000 mg/l (golden Orfe). Acute toxicity to Aquatic Invertebrates EC0 > 10000 mg/l (water flea). Toxicity to Microorganisms EC0 > 1000mg/l (psuedomonas putida)

Component Yellow Pigment: Not Hazardous as defined by OSHA HC Standard 29 CFR 1810.1200.

Component Iron III oxide CAS\# 20344-49-4: Acute and Prolonged Toxicity to fish LCO >1000 mg/l (golden Orfe). Toxicity to Microorganisms EC0 > 10000mg/l (psuedomonas putida)

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

SECTION 14: Transport Information

DOT: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer) , 9, PGIII,

IMO/IMDG: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer) , 9, PGIII,

SECTION 15: REGULATORY INFORMATION

Component CAS\# 25068-38-6: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list.; Is on the PA Right to Know List;

Component CAS\# 68609-97-2: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, Is on the New Jersey Right to Know list.; is on the PA Right to Know List.

Component CAS\# 8052-41-3: Component is on the TSCA and Canada DSL lists. Component is on the Pennsylvania, California, New Jersey Massachusetts and Minnesota right to know lists.

Component CAS\# 108-65-6: Listed on TSCA and DSL

Component CAS\# 95-63-6: This component is subject to SARA Title III Section 313 reporting. This component is in the TSCA and Canada DSL Lists. This component is on the Massachusetts, Pennsylvania, New Jersey right to know lists.

Component CAS\# 64742-94-5. is on the TSCA and Canada DSL lists.

Component CAS\# 67762-90-7: Non-hazardous component

Component(s) Poly(terephthaloylchloride/P-phenylenediamine) (Para-aramid polymer) CAS\# 26125-61-1 and Sodium Sulphate CAS\# 7757-82-6: Component is on the TSCA list. Component is not WHMIS controlled.

Component Aluminum Oxide CAS\# 1334-28-1: Federal and State Regulations: Illinois toxic substances disclosure to employee act; Aluminum oxide Rhode Island RTK hazardous substances; Aluminum oxide Minnesota: Aluminum oxide Massachusetts RTK: Aluminum oxide New Jersey: Aluminum oxide New Jersey spill list: Aluminum oxide California Director's list of Hazardous Substances: Aluminum oxide TSCA 8(b) inventory; Aluminum oxide
SARA 313 toxic chemical notification and release reporting: Aluminum oxide Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. Other Classifications: WHMIS (Canada): Not controlled under WHMIS (Canada). DSCL (EEC): R36/38 - Irritating to eyes and skin. S2 – Keep out of the reach of children. S46 - If swallowed, seek medical advice immediately

**Component: Silicon Dioxide CAS# 14808-60-7:** Risk phrases: R 48/20 Harmful – Danger of serious damage to health by prolonged exposure through inhalation. Safety Phrases: S 22 – Do not breathe dust and S 38 – In case of insufficient ventilation, wear suitable respiratory equipment. Silicon Dioxide is on the TSCA list. NTP list as a known human carcinogen, California Proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component Crystalline Silica (Silicon Dioxide) is on the Canada DSL – WHMIS Classification D2A. Crystalline Silica is on the Australian Inventory of Chemicals Substances list, Japan Ministry of International Trade and Industry list, Korea Existing Chemicals Inventory with registry number 9212-5667 and the Philippines Inventory of Chemicals and Chemical Substances list.

**Component: Titanium Dioxide:** Contains Proposition 65 Chemicals, is on the PA Hazardous substance list, is on the NJ right to know Regulated chemical list. Titanium Dioxide is on inventory or in compliance with EINECS, TSCA, AICS, DSL, ENCS (JP), KECI (KR), PICCS (PH) and INV (CN).

**Component: Carbon:** Contains Proposition 65 Chemicals. Carbon: is listed on TSCA and DSL Canada

**Component: Iron III oxide CAS# 1309-37-1:** Listed on TSCA Inventory. Section 313/312 hazard category: Chronic health hazard. Potential exposure to all of the California proposition 65 have been determined to be below the No significant risk level (NSRL). Component and its impurities (1%) are on the Pennsylvania, New Jersey right to know substance lists. Component contains the following chemicals listed on the New Jersey and Pennsylvania RTK special hazardous Substance lists: Manganese CAS# 7439-86-5 (0.7%) and Aluminum CAS# 7429-90-5 (0.29%). Component contains the following ingredients which are on the Pennsylvania, Massachusetts hazardous substance lists: Chromium CAS# 7440-47-3 (0.075%) and Nickel CAS# 7440-02-0 (0.04%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.04%) and Cobalt CAS# 7440-48-4 (0.015%).

**Component: Yellow Pigment:** Not Hazardous as defined by OSHA HC Standard 29 CFR 1810.1200.

**Component: Iron III oxide CAS# 20344-49-4:** Listed on TSCA Inventory. Potential exposure to all of the California proposition 65 chemicals have been determined to be below the No significant risk level (NSRL). Components are on the Pennsylvania right to know substance list. Component contains the following chemicals listed on the Pennsylvania RTK special hazardous Substance lists: chromium CAS# 7440-47-3 (0.02%) and nickel CAS# 7440-02-0 (0.015%). Component contains the following ingredients which are on the Massachusetts hazard substance lists: Chromium CAS# 7440-47-3 (0.02%), arsenic CAS# 7440-38-2 (60ppm), Beryllium CAS# 7440-41-7 (1ppm) and Nickel CAS# 7440-02-0 (0.015%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.015%), arsenic CAS# 7440-38-2 (60ppm), Beryllium CAS# 7440-41-7 (1ppm) and Cobalt CAS# 7440-48-4 (0.015%).

**Component: CAS# 112926-00-8:** Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECS, EINECS, ENCS, KECI, NZLOC, PICCS, TSCA,

**Component Iron III oxide CAS# 1309-37-1:** Listed on TSCA Inventory. Section 313/312 hazard category: Chronic health hazard. Potential exposure to all of the California proposition 65 have been determined to be below the No significant risk level (NSRL). Component and its impurities (1%) are on the Pennsylvania, New Jersey right to know substance lists. Component contains the following chemicals listed on the New Jersey and Pennsylvania RTK special hazardous Substance lists: Manganese CAS# 7439-86-5 (0.7%) and Aluminum CAS# 7429-90-5 (0.29%). Component contains the following ingredients which are on the Pennsylvania, Massachusetts hazardous substance lists: Chromium CAS# 7440-47-3 (0.075%) and Nickel CAS# 7440-02-0 (0.04%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.04%) and Cobalt CAS# 7440-48-4 (30 ppm).

**Component: Yellow Pigment:** Not Hazardous as defined by OSHA HC Standard 29 CFR 1810.1200.

**Component: Iron III oxide CAS# 20344-49-4:** Listed on TSCA Inventory. Potential exposure to all of the California proposition 65 chemicals have been determined to be below the No significant risk level (NSRL). Components are on the Pennsylvania right to know substance list. Component contains the following chemicals listed on the Pennsylvania RTK special hazardous Substance lists: chromium CAS# 7440-47-3 (0.02%) and nickel CAS# 7440-02-0 (0.015%). Component contains the following ingredients which are on the Massachusetts hazard substance lists: Chromium CAS# 7440-47-3 (0.02%), arsenic CAS# 7440-38-2 (60ppm), Beryllium CAS# 7440-41-7 (1ppm) and Nickel CAS# 7440-02-0 (0.015%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.015%), arsenic CAS# 7440-38-2 (60ppm), Beryllium CAS# 7440-41-7 (1ppm) and Cobalt CAS# 7440-48-4 (70ppm).

**Component: CAS# 112926-00-8:** Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECS, EINECS, ENCS, KECI, NZLOC, PICCS, TSCA,

**Component Iron III oxide CAS# 1309-37-1:** Listed on TSCA Inventory. Section 313/312 hazard category: Chronic health hazard. Potential exposure to all of the California proposition 65 have been determined to be below the No significant risk level (NSRL). Component and its impurities (1%) are on the Pennsylvania, New Jersey right to know substance lists. Component contains the following chemicals listed on the New Jersey and Pennsylvania RTK special hazardous Substance lists: Manganese CAS# 7439-86-5 (0.7%) and Aluminum CAS# 7429-90-5 (0.29%). Component contains the following ingredients which are on the Pennsylvania, Massachusetts hazardous substance lists: Chromium CAS# 7440-47-3 (0.075%) and Nickel CAS# 7440-02-0 (0.04%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.04%) and Cobalt CAS# 7440-48-4 (30 ppm).

**Component: Yellow Pigment:** Not Hazardous as defined by OSHA HC Standard 29 CFR 1810.1200.

**Component: Iron III oxide CAS# 20344-49-4:** Listed on TSCA Inventory. Potential exposure to all of the California proposition 65 chemicals have been determined to be below the No significant risk level (NSRL). Components are on the Pennsylvania right to know substance list. Component contains the following chemicals listed on the Pennsylvania RTK special hazardous Substance lists: chromium CAS# 7440-47-3 (0.02%) and nickel CAS# 7440-02-0 (0.015%). Component contains the following ingredients which are on the Massachusetts hazard substance lists: Chromium CAS# 7440-47-3 (0.02%), arsenic CAS# 7440-38-2 (60ppm), Beryllium CAS# 7440-41-7 (1ppm) and Nickel CAS# 7440-02-0 (0.015%) Component contains the following chemicals on the California Proposition 65 list known to the state of California to be carcinogenic: Nickel CAS# 7440-02-0 (0.015%), arsenic CAS# 7440-38-2 (60ppm), Beryllium CAS# 7440-41-7 (1ppm) and Cobalt CAS# 7440-48-4 (70ppm).

**Component: CAS# 147-14-8:** Component is on the TSCA List. and not controlled under WHMIS. Component is a CERCLA hazardous substance

**Component: CAS# 7631-86-9:** Component is on the Minnesota right to know list. Component is on TSCA list and Canada DSL.

**Component: CAS# 7631-86-9:** Component is on the Minnesota right to know list. Component is on TSCA list and Canada DSL.

**Component: Carbon:** Contains Proposition 65 Chemicals. Carbon: is listed on TSCA and DSL Canada

**Component Carbon:** Contains Proposition 65 Chemicals .Carbon: is listed on TSCA and DSL Canada

**DISCLAIMER:** The information contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.
SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Epoxy Textured Non-Slip Coating PART B
PRODUCT CODES: CFS1372500 B

MANUFACTURER: Concrete Flooring Supplies, Inc.
STREET ADDRESS: 21012 Rand Road
CITY, STATE, ZIP: Deer Park, IL 60047

INFORMATION PHONE: 855-409-3589
EMERGENCY PHONE: Chemtrec 800-424-9300

PREPARED BY: Harry Jackson
DATE REVISED: 1/2/13

SECTION 2: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS
EYES: WILL CAUSE BURNS TO EYES. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES.
SKIN: WILL CAUSE BURNS TO THE SKIN
INGESTION: LIQUID CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES IF SWALLOWED.
INHALATION: HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.
HEALTH HAZARDS (ACUTE AND CHRONIC): PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS.
CARCINOGENICITY
OSHA: NO NTP: NO IARC: NO
ADDITIONAL CARCINOGENICITY INFORMATION: NO LISTED INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NO.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OSHA STEL</th>
<th>WEIGHT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENZYL ALCOHOL</td>
<td>100-51-6</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>3-AMINOMETHYL-3,5,5-TRIMETHYL CYCLOHEXANE</td>
<td>2855-13-2</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>2-HYDROXYBENZOIC ACID</td>
<td>69-72-7</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Hydrophobic Silica</td>
<td>67762-90-7</td>
<td>6mg/m3</td>
<td>10mg/m3</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>Precipitated Silica</td>
<td>112926-00-8</td>
<td>NONE</td>
<td>80mg/m3</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 3 NOTES:
***No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.***

SECTION 4: FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES WHILE LIFTING UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ASSISTANCE.
SKIN: FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS.
INGESTION:
DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.

INHALATION:
REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

SECTION 5: FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>FLAMMABLE LIMITS IN AIR, (%) by volume</th>
<th>UPPER: not available</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH POINT:</td>
<td>200+F</td>
</tr>
<tr>
<td>METHOD USED:</td>
<td>SETA FLASH</td>
</tr>
<tr>
<td>EXTINGUISHING MEDIA:</td>
<td>FOAM, ALCOHOL FOAM, CO2, WATER FOG</td>
</tr>
<tr>
<td>SPECIAL FIRE FIGHTING PROCEDURES:</td>
<td>TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTING. COOL FIRE EXPOSED CONTAINERS WITH WATER.</td>
</tr>
<tr>
<td>UNUSUAL FIRE AND EXPLOSION HAZARDS:</td>
<td>NONE KNOWN.</td>
</tr>
</tbody>
</table>

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
AVOID CONTACT WITH MATERIAL. WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYKE AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBENT AND PLACE IN DISPOSAL CONTAINERS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.
OTHER PRECAUTIONS:
MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:
NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS. FOR EMERGENCIES A SELF-CONTAINED BREATHING APPARATUS OR A FULL FACE RESPIRATOR IS RECOMMENDED.
VENTILATION:
AVOID BREATHING VAPORS. VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.
PROTECTIVE GLOVES:
IMPERVIOUS GLOVES – NEOPRENE OR RUBBER
EYE PROTECTION:
SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.
WORK HYGIENIC PRACTICES:
OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:
VISCOUS AMBER CLEAR LIQUID WITH AMINE ODOR
BOILING POINT OR RANGE: 401 TO 477F
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.1
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: NEGLIGIBLE

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
MATERIAL SAFETY DATA SHEET

PRODUCT CODE: CFS1372500

STABLE CONDITIONS TO AVOID (STABILITY):
AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS.

INCOMPATIBILITY (MATERIAL TO AVOID):
AVOID CONTACT WITH STRONG OXIDIZING AGENTS, MINERAL ACIDS AND EPOXY RESINS IN UNCONTROLLED AMOUNTS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO, CO2, NOX
HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

Component Benzyl Alcohol: Inhalation LC50 (4hr) >4178 mg/l (rat), Dermal LD50 2000 mg/kg (rabbit) Rats exposed to 800 mg/kg for thirteen weeks exhibited CNS depression and histopathological changes in the brain, thymus and skeletal muscles. The No observed Adverse effect level (NOAEL) was 400 mg/kg. No evidence of carcinogenicity was seen in two year study with rats and mice.

Component CAS# 2855-13-2: Oral LD50 rat 1030 mg/kg, Skin irritation – Corrosive category 1C where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days. Eye irritation – Risk of serious damage to eyes. Product Sensitization (Magnusson-Kingman test) guinea pig: may cause sensitization by skin contact. Product Teratogenicity oral rat NOEL (no observed effect level) 250 mg/kg

Component CAS# 69-72-7: Acute Oral Toxicity LD50 (rat) = 891 mg/kg (behavioral somnolence (general depressed activity, Behavioral muscle weakness)). Acute inhalation LC50 (rat) >900 mg/m3, 1 hr. Acute Dermal LD50 (rabbit) >10,000 mg/kg. Skin Irritation (rabbit) – mild skin irritation -24hr. Eye irritation (rabbit) – severe eye irritation.

Component CAS# 112926-00-8: LD50 (rat) >5000 mg/kg, LD50 dermal (rat) >2000 mg/kg

Component CAS# 67762-90-7: LD50 (rat) >1000 mg/kg, LD50 dermal (rat) >2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Component Benzyl Alcohol: EC50 (48hr) 400 mg/l Daphnia Magna, EC50 (72hr) 2600 mg/l Fathead minnow (Pimephales promelas), Toxicity to Algae: LC50 (72hr) 460 ml/l Fathead minnow (Pimephales promelas), Toxicity to Algae: IC50 (72hr) 700 mg/l

Component CAS# 2855-13-2: Biodegradability 42% and is not readily biodegradable. Bioaccumulation: no significant accumulation of the substance in organisms is to be expected. Mobility: The soil mobility of the substance is only minimally affected by adsorption to soil components. Toxicity to fish: LC50 (96 hr) 10 mg/l Bluegill sunfish (Lepomis macrochirus), Toxicity to Daphnia magna, LC50 (96hr) 460 ml/l Fathead minnow (Pimephales promelas), Toxicity to Algae: IC50 (72hr) 700 mg/l

Component CAS# 69-72-7: Toxicity to Fish LC50 (Leuciscus idus – 96 mg/l. Toxicity to Daphnia magna – 105mg/l, 24 hr. Component Mutagenic Effects: Mutagenic for bacteria and/or yeast. Developmental toxicity: classified reproductive system toxin/female, development toxin possible.

Component CAS# 112926-00-8: Ecotoxicity: EC50 (fish).10000 mg/l (daphnia >10000 mg/l

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF MATERIAL AS A HAZARDOUS WASTE ACCORDING TO FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14: Transport Information

DOT: UN1760, CORROSIVE LIQUID N.O.S. (3-AMINOMETHYL-3,5,5-TRIMETHYL CYCLOHEXANE), 8, PG III

IMO/IMDG: UN1760, CORROSIVE LIQUID N.O.S. (3-AMINOMETHYL-3,5,5-TRIMETHYL CYCLOHEXANE), 8, PG III

SECTION 15: REGULATORY INFORMATION

Component Benzyl Alcohol: E20/22 Harmful by inhalation and if swallowed. On TSCA list, on DSL Canada
Component CAS# 69-72-7: Component is on the Pennsylvania and New Jersey right to know lists. Component is on the TSCA and Canada DSL lists.
Component CAS# 112926-00-8: Is not classified as dangerous. National Chemical Inventory listings include – AICS, DSL, IECSC, EINECS, ENCS, KECI, NZLCO, PICCS, TSCA.
Component CAS# 67762-90-7: Non hazardous component

SECTION 16: OTHER INFORMATION

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