

# MATERIAL SAFETY DATA SHEET

20.002300-FLAKE  
2005

DATE OF PREPARATION  
Nov 5, 2010

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NUMBER

20.002300-FLAKE

### PRODUCT NAME

SHIELD-CRETE® Epoxy Concrete Decorative Flakes

### MANUFACTURER'S NAME

H&C CONCRETE STAINS  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

### Telephone Numbers and Websites

|                           |                                     |
|---------------------------|-------------------------------------|
| Regulatory Information    | (216) 566-2902<br>www.paintdocs.com |
| Medical Emergency         | (216) 566-2917                      |
| Transportation Emergency* | (800) 424-9300                      |

\*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number | Ingredient       | Units                       | Vapor Pressure |
|-------------|------------|------------------|-----------------------------|----------------|
| 6           | 14807-96-6 | Talc             |                             |                |
|             |            | ACGIH TLV        | 2 mg/m3 as Resp. Dust       |                |
|             |            | OSHA PEL         | 2 mg/m3 as Resp. Dust       |                |
| 72          | 7727-43-7  | Barium Sulfate   |                             |                |
|             |            | ACGIH TLV        | 10 mg/m3 as Dust            |                |
|             |            | OSHA PEL         | 10 mg/m3 Total Dust         |                |
|             |            | OSHA PEL         | 5 mg/m3 Respirable Fraction |                |
| 5           | 13463-67-7 | Titanium Dioxide |                             |                |
|             |            | ACGIH TLV        | 10 mg/m3 as Dust            |                |
|             |            | OSHA PEL         | 10 mg/m3 Total Dust         |                |
|             |            | OSHA PEL         | 5 mg/m3 Respirable Fraction |                |
| 0.5         | 1333-86-4  | Carbon Black     |                             |                |
|             |            | ACGIH TLV        | 3.5 MG/M3                   |                |
|             |            | OSHA PEL         | 3.5 MG/M3                   |                |

## SECTION 3 — HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of dust.

EYE or SKIN contact with the product or dust.

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure to dust may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

### HMIS Codes

|              |    |
|--------------|----|
| Health       | 2* |
| Flammability | 1  |
| Reactivity   | 0  |

## SECTION 4 — FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

|                    |            |            |                                    |
|--------------------|------------|------------|------------------------------------|
| <b>FLASH POINT</b> | <b>LEL</b> | <b>UEL</b> | <b>FLAMMABILITY CLASSIFICATION</b> |
| Not Applicable     | N.A.       | N.A.       | Not Applicable                     |

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Dust at sufficient concentrations can form explosive mixtures with air.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

- Remove all sources of ignition.
- Sweep up material taking care not to generate airborne dust.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

Not Applicable

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a cool, dry area out of direct sunlight.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid eye and prolonged skin contact with dust. Avoid generating or breathing airborne dust.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

Required for long or repeated contact.

### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

|                            |                |          |
|----------------------------|----------------|----------|
| <b>PRODUCT WEIGHT</b>      | 22.89 lb/gal   | 2743 g/l |
| <b>SPECIFIC GRAVITY</b>    | 2.75           |          |
| <b>BOILING POINT</b>       | Not Applicable |          |
| <b>MELTING POINT</b>       | Not Available  |          |
| <b>VOLATILE VOLUME</b>     | 0%             |          |
| <b>EVAPORATION RATE</b>    | N.A.           |          |
| <b>VAPOR DENSITY</b>       | N.A.           |          |
| <b>SOLUBILITY IN WATER</b> | N.A.           |          |

**VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)**

|             |       |                                          |
|-------------|-------|------------------------------------------|
| 0.00 lb/gal | 0 g/l | Less Water and Federally Exempt Solvents |
| 0.00 lb/gal | 0 g/l | Emitted VOC                              |

**SECTION 10 — STABILITY AND REACTIVITY****STABILITY — Stable****CONDITIONS TO AVOID**

High concentrations of airborne dust which may ignite explosively.

**INCOMPATIBILITY**

Strong oxidizers, acids or alkalis.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION****CHRONIC HEALTH HAZARDS**

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

**TOXICOLOGY DATA**

| CAS No.    | Ingredient Name  |          |     |               |
|------------|------------------|----------|-----|---------------|
| 14807-96-6 | Talc             | LC50 RAT | 4HR | Not Available |
|            |                  | LD50 RAT |     | Not Available |
| 7727-43-7  | Barium Sulfate   | LC50 RAT | 4HR | Not Available |
|            |                  | LD50 RAT |     | Not Available |
| 13463-67-7 | Titanium Dioxide | LC50 RAT | 4HR | Not Available |
|            |                  | LD50 RAT |     | Not Available |
| 1333-86-4  | Carbon Black     | LC50 RAT | 4HR | Not Available |
|            |                  | LD50 RAT |     | Not Available |

**SECTION 12 — ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 — TRANSPORT INFORMATION****US Ground (DOT)**

Information is not Available

**Canada (TDG)**

Information is not Available

**IMO**

Information is not Available

**SECTION 15 — REGULATORY INFORMATION****SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|---------|-------------------|---------|-----------|
|---------|-------------------|---------|-----------|

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# MATERIAL SAFETY DATA SHEET

20.002300-NS  
01 00

DATE OF PREPARATION  
Nov 5, 2010

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NUMBER

20.002300-NS

### PRODUCT NAME

SHIELD-CRETE® Epoxy Concrete Non-Skid Additive

### MANUFACTURER'S NAME

H&C CONCRETE STAINS  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

### Telephone Numbers and Websites

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| Regulatory Information                                                  | (216) 566-2902<br>www.paintdocs.com |
| Medical Emergency                                                       | (216) 566-2917                      |
| Transportation Emergency*                                               | (800) 424-9300                      |
| *for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident) |                                     |

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number | Ingredient     | Units            | Vapor Pressure |
|-------------|------------|----------------|------------------|----------------|
| 100         | 1344-28-1  | Aluminum Oxide |                  |                |
|             |            | ACGIH TLV      | 10 mg/m3 as Dust |                |
|             |            | OSHA PEL       | Not Available    |                |

## SECTION 3 — HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of dust.

EYE or SKIN contact with the product or dust.

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure to dust may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

### HMIS Codes

|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 1 |
| Reactivity   | 0 |

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

## SECTION 4 — FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

### FLASH POINT

Not Applicable

### LEL

N.A.

### UEL

N.A.

### FLAMMABILITY CLASSIFICATION

Not Applicable

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Dust at sufficient concentrations can form explosive mixtures with air.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

#### **SPECIAL FIRE FIGHTING PROCEDURES**

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

### **SECTION 6 — ACCIDENTAL RELEASE MEASURES**

#### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

- Remove all sources of ignition.
- Sweep up material taking care not to generate airborne dust.

### **SECTION 7 — HANDLING AND STORAGE**

#### **STORAGE CATEGORY**

Not Applicable

#### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Store in a cool, dry area out of direct sunlight.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

### **SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid eye and prolonged skin contact with dust. Avoid generating or breathing airborne dust.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

#### **VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

#### **RESPIRATORY PROTECTION**

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

#### **PROTECTIVE GLOVES**

Required for long or repeated contact.

#### **EYE PROTECTION**

Wear safety spectacles with unperforated sideshields.

### **SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

|                                                            |                |                                          |
|------------------------------------------------------------|----------------|------------------------------------------|
| PRODUCT WEIGHT                                             | 33.15 lb/gal   | 3972 g/l                                 |
| SPECIFIC GRAVITY                                           | 3.99           |                                          |
| BOILING POINT                                              | Not Applicable |                                          |
| MELTING POINT                                              | Not Available  |                                          |
| VOLATILE VOLUME                                            | 0%             |                                          |
| EVAPORATION RATE                                           | N.A.           |                                          |
| VAPOR DENSITY                                              | N.A.           |                                          |
| SOLUBILITY IN WATER                                        | N.A.           |                                          |
| VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged) |                |                                          |
| 0.00 lb/gal                                                | 0 g/l          | Less Water and Federally Exempt Solvents |
| 0.00 lb/gal                                                | 0 g/l          | Emitted VOC                              |

### **SECTION 10 — STABILITY AND REACTIVITY**

#### **STABILITY — Stable**

#### **CONDITIONS TO AVOID**

High concentrations of airborne dust which may ignite explosively.

**INCOMPATIBILITY**

Strong oxidizers, acids or alkalis.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION****CHRONIC HEALTH HAZARDS**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

**TOXICOLOGY DATA**

| CAS No.   | Ingredient Name |          |     |               |
|-----------|-----------------|----------|-----|---------------|
| 1344-28-1 | Aluminum Oxide  | LC50 RAT | 4HR | Not Available |
|           |                 | LD50 RAT |     | Not Available |

**SECTION 12 — ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 — TRANSPORT INFORMATION****US Ground (DOT)**

Information is not Available

**Canada (TDG)**

Information is not Available

**IMO**

Information is not Available

**SECTION 15 — REGULATORY INFORMATION****SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|---------|-------------------|---------|-----------|
|---------|-------------------|---------|-----------|

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# MATERIAL SAFETY DATA SHEET

20.002300A  
01 00

DATE OF PREPARATION  
Nov 5, 2010

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NUMBER

20.002300A

### PRODUCT NAME

H&C® SHIELD-CRETE® Epoxy Concrete Garage Floor Coating, Epoxy Part A - Firebrick Red

### MANUFACTURER'S NAME

H&C CONCRETE STAINS  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

### Telephone Numbers and Websites

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| Regulatory Information                                                  | (216) 566-2902<br>www.paintdocs.com |
| Medical Emergency                                                       | (216) 566-2917                      |
| Transportation Emergency*                                               | (800) 424-9300                      |
| *for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident) |                                     |

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number  | Ingredient           | Units         | Vapor Pressure |
|-------------|-------------|----------------------|---------------|----------------|
| 6           | 67-63-0     | 2-Propanol           |               |                |
|             |             | ACGIH TLV            | 200 PPM       | 33 mm          |
|             |             | ACGIH TLV            | 400 PPM STEL  |                |
|             |             | OSHA PEL             | 400 PPM       |                |
| 5           | 26761-45-5  | Alkyl Glycidyl Ester |               |                |
|             |             | ACGIH TLV            | Not Available |                |
|             |             | OSHA PEL             | Not Available |                |
| 60          | Proprietary | Epoxy Polymer        |               |                |
|             |             | ACGIH TLV            | Not Available |                |
|             |             | OSHA PEL             | Not Available |                |

## SECTION 3 — HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons or skin sensitization.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

### HMIS Codes

|              |    |
|--------------|----|
| Health       | 2* |
| Flammability | 1  |
| Reactivity   | 0  |

## SECTION 4 — FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

If irritation persists or occurs later, get medical attention.

Remove contaminated clothing and laundry before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

|                                     |                    |                    |                                                      |
|-------------------------------------|--------------------|--------------------|------------------------------------------------------|
| <b>FLASH POINT</b><br>> 200 °F PMCC | <b>LEL</b><br>N.A. | <b>UEL</b><br>N.A. | <b>FLAMMABILITY CLASSIFICATION</b><br>Not Applicable |
|-------------------------------------|--------------------|--------------------|------------------------------------------------------|

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

DOL Storage Class IIIB

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

### OTHER PROTECTIVE EQUIPMENT

Use of barrier cream on exposed skin is recommended.

### OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

|                                                                   |                   |            |
|-------------------------------------------------------------------|-------------------|------------|
| <b>PRODUCT WEIGHT</b>                                             | 9.73 lb/gal       | 1165 g/l   |
| <b>SPECIFIC GRAVITY</b>                                           | 1.17              |            |
| <b>BOILING POINT</b>                                              | 178 - 181 °F      | 81 - 82 °C |
| <b>MELTING POINT</b>                                              | Not Available     |            |
| <b>VOLATILE VOLUME</b>                                            | 9%                |            |
| <b>EVAPORATION RATE</b>                                           | Slower than ether |            |
| <b>VAPOR DENSITY</b>                                              | Heavier than air  |            |
| <b>SOLUBILITY IN WATER</b>                                        | N.A.              |            |
| <b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b> |                   |            |
|                                                                   | 0.61 lb/gal       | 73 g/l     |
|                                                                   | 0.61 lb/gal       | 73 g/l     |
| <b>VOLATILE ORGANIC COMPOUNDS (VOC - As Applied)</b>              |                   |            |
|                                                                   | <1.12 lb/gal      | <135 g/l   |

## SECTION 10 — STABILITY AND REACTIVITY

### STABILITY — Stable

### CONDITIONS TO AVOID

None known.

### INCOMPATIBILITY

None known.

### HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

### HAZARDOUS POLYMERIZATION

Will not occur

## SECTION 11 — TOXICOLOGICAL INFORMATION

### CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

### TOXICOLOGY DATA

| CAS No.     | Ingredient Name      |          |     |               |
|-------------|----------------------|----------|-----|---------------|
| 67-63-0     | 2-Propanol           | LC50 RAT | 4HR | Not Available |
|             |                      | LD50 RAT |     | 5045 mg/kg    |
| 26761-45-5  | Alkyl Glycidyl Ester | LC50 RAT | 4HR | Not Available |
|             |                      | LD50 RAT |     | 9590. mg/kg   |
| Proprietary | Epoxy Polymer        | LC50 RAT | 4HR | Not Available |
|             |                      | LD50 RAT |     | Not Available |

## SECTION 12 — ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

No data available.

## SECTION 13 — DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

## SECTION 14 — TRANSPORT INFORMATION

### US Ground (DOT)

Information is not Available

### Canada (TDG)

Information is not Available

### IMO

Information is not Available

**SECTION 15 — REGULATORY INFORMATION****SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|---------|-------------------|---------|-----------|
|---------|-------------------|---------|-----------|

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# MATERIAL SAFETY DATA SHEET

20.002300B  
01 00

DATE OF PREPARATION  
Nov 5, 2010

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NUMBER

20.002300B

### PRODUCT NAME

H&C® SHIELD-CRETE® Epoxy Concrete Garage Floor Coating, Epoxy Part B

### MANUFACTURER'S NAME

H&C CONCRETE STAINS  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

### Telephone Numbers and Websites

|                                                                         |                                     |
|-------------------------------------------------------------------------|-------------------------------------|
| Regulatory Information                                                  | (216) 566-2902<br>www.paintdocs.com |
| Medical Emergency                                                       | (216) 566-2917                      |
| Transportation Emergency*                                               | (800) 424-9300                      |
| *for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident) |                                     |

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number  | Ingredient                                        | Units                                                | Vapor Pressure |
|-------------|-------------|---------------------------------------------------|------------------------------------------------------|----------------|
| 5           | 2807-30-9   | 2-Propoxyethanol<br>ACGIH TLV<br>OSHA PEL         | Not Available<br>Not Available                       | 1.3 mm         |
| 2           | 64-19-7     | Acetic Acid<br>ACGIH TLV<br>ACGIH TLV<br>OSHA PEL | 10 PPM<br>15 PPM STEL<br>10 PPM                      | 11 mm          |
| 30          | Proprietary | Polyamide<br>ACGIH TLV<br>OSHA PEL                | Not Available<br>Not Available                       |                |
| 20          | 14808-60-7  | Quartz<br>ACGIH TLV<br>OSHA PEL                   | 0.025 mg/m3 as Resp. Dust<br>0.1 mg/m3 as Resp. Dust |                |

## SECTION 3 — HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.  
EYE or SKIN contact with the product, vapor or spray mist.

### EFFECTS OF OVEREXPOSURE

**EYES:** Causes burns.

**SKIN:** Causes burns.

**INHALATION:** Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons or skin sensitization.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

### HMIS Codes

|              |    |
|--------------|----|
| Health       | 3* |
| Flammability | 0  |
| Reactivity   | 0  |

## SECTION 4 — FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention **IMMEDIATELY**.

**SKIN:** Wash affected area thoroughly with soap and water.  
If irritation persists or occurs later, get medical attention.  
Remove contaminated clothing and laundry before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

|                    |            |            |                                    |
|--------------------|------------|------------|------------------------------------|
| <b>FLASH POINT</b> | <b>LEL</b> | <b>UEL</b> | <b>FLAMMABILITY CLASSIFICATION</b> |
| Not Applicable     | N.A.       | N.A.       | Not Applicable                     |

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

- Remove all sources of ignition. Ventilate the area.
- Remove with inert absorbent.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

Not Applicable

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.  
Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Do not get in eyes or on skin. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 2.

### EYE PROTECTION

To prevent eye contact, wear safety spectacles with unperforated sideshields.

### OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

**OTHER PRECAUTIONS**

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

|                                                                   |                   |                                          |
|-------------------------------------------------------------------|-------------------|------------------------------------------|
| <b>PRODUCT WEIGHT</b>                                             | 9.38 lb/gal       | 1124 g/l                                 |
| <b>SPECIFIC GRAVITY</b>                                           | 1.13              |                                          |
| <b>BOILING POINT</b>                                              | 212 - 308 °F      | 100 - 153 °C                             |
| <b>MELTING POINT</b>                                              | Not Available     |                                          |
| <b>VOLATILE VOLUME</b>                                            | 47%               |                                          |
| <b>EVAPORATION RATE</b>                                           | Slower than ether |                                          |
| <b>VAPOR DENSITY</b>                                              | Heavier than air  |                                          |
| <b>SOLUBILITY IN WATER</b>                                        | N.A.              |                                          |
| <b>pH</b>                                                         | 6.8               |                                          |
| <b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b> |                   |                                          |
| 1.08 lb/gal                                                       | 130 g/l           | Less Water and Federally Exempt Solvents |
| 0.65 lb/gal                                                       | 78 g/l            | Emitted VOC                              |
| <b>VOLATILE ORGANIC COMPOUNDS (VOC - As Applied)</b>              |                   |                                          |
| <1.12 lb/gal                                                      | <135 g/l          | Less Water and Federally Exempt Solvents |

**SECTION 10 — STABILITY AND REACTIVITY****STABILITY — Stable****CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION****CHRONIC HEALTH HAZARDS**

Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP. Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.

**TOXICOLOGY DATA**

| <b>CAS No.</b>     | <b>Ingredient Name</b>  |          |     |               |
|--------------------|-------------------------|----------|-----|---------------|
| <b>2807-30-9</b>   | <b>2-Propoxyethanol</b> | LC50 RAT | 4HR | Not Available |
|                    |                         | LD50 RAT |     | 3090 mg/kg    |
| <b>64-19-7</b>     | <b>Acetic Acid</b>      | LC50 RAT | 4HR | Not Available |
|                    |                         | LD50 RAT |     | 3310 mg/kg    |
| <b>Proprietary</b> | <b>Polyamide</b>        | LC50 RAT | 4HR | Not Available |
|                    |                         | LD50 RAT |     | Not Available |
| <b>14808-60-7</b>  | <b>Quartz</b>           | LC50 RAT | 4HR | Not Available |
|                    |                         | LD50 RAT |     | Not Available |

**SECTION 12 — ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 — TRANSPORT INFORMATION****US Ground (DOT)**

Information is not Available

**Canada (TDG)**

Information is not Available

**IMO**

Information is not Available

**SECTION 15 — REGULATORY INFORMATION****SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|---------|-------------------|---------|-----------|
|         | Glycol Ethers     | 5       |           |

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains a chemical known to the State of California to cause cancer.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# MATERIAL SAFETY DATA SHEET

20.002300-DETER

2011

## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

20.002300-DETER

HMIS CODES

|              |   |
|--------------|---|
| Health       | 3 |
| Flammability | 0 |
| Reactivity   | 1 |

PRODUCT NAME

H&C® SHIELD-CRETE® Epoxy Concrete Garage Detergent

MANUFACTURER'S NAME

H&C CONCRETE STAINS

101 Prospect Avenue N.W.

Cleveland, OH 44115

EMERGENCY TELEPHONE NO.

(216) 566-2917

DATE OF PREPARATION

03-MAR-11

INFORMATION TELEPHONE NO.

(216) 566-2902

## Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

| CAS No. | INGREDIENT | UNITS | VAPOR PRESSURE |
|---------|------------|-------|----------------|
|---------|------------|-------|----------------|

|            |                      |               |  |
|------------|----------------------|---------------|--|
| 497-19-8   | Sodium Carbonate     |               |  |
|            | ACGIH TLV            | Not Available |  |
|            | OSHA PEL             | Not Available |  |
| 1344-09-8  | Sodium Silicate      |               |  |
|            | ACGIH TLV            | Not Available |  |
|            | OSHA PEL             | Not Available |  |
| 7632-04-4  | Sodium Perborate     |               |  |
|            | ACGIH TLV            | Not Available |  |
|            | OSHA PEL             | Not Available |  |
| 51580-86-0 | Triazine Sodium Salt |               |  |
|            | ACGIH TLV            | Not Available |  |
|            | OSHA PEL             | Not Available |  |
| 9000-90-2  | Alpha-Amylase        |               |  |
|            | ACGIH TLV            | Not Available |  |
|            | OSHA PEL             | Not Available |  |

## Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

EYE or SKIN contact with product.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

=====  
Section 4 -- FIRST AID MEASURES  
=====

EYES: Flush eyes with large amounts of water for 15 minutes.  
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

INHALATION: If affected, remove from exposure. Restore breathing.  
Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

=====  
Section 5 -- FIRE FIGHTING MEASURES  
=====

| FLASH POINT    | LEL           | UEL           |
|----------------|---------------|---------------|
| Not Applicable | Not Available | Not Available |

FLAMMABILITY CLASSIFICATION  
Not Applicable

EXTINGUISHING MEDIA  
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS  
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES  
Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

=====  
Section 6 -- ACCIDENTAL RELEASE MEASURES  
=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
Remove with inert absorbent.

=====  
Section 7 -- HANDLING AND STORAGE  
=====

STORAGE CATEGORY  
Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE  
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

=====  
Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION  
=====

PRECAUTIONS TO BE TAKEN IN USE  
Use only with adequate ventilation.  
Avoid contact with skin and eyes. Wash hands after using.

## =====

## VENTILATION

General room ventilation is usually adequate.

## RESPIRATORY PROTECTION

None normally required.

## PROTECTIVE GLOVES

Wear rubber gloves to minimize skin contact.

## EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

## =====

## Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

-----

|                     |                     |             |
|---------------------|---------------------|-------------|
| PRODUCT WEIGHT      | 6.6-8.0 lb/gal      | 790-960 g/l |
| SPECIFIC GRAVITY    | 0.80-0.96           |             |
| BOILING POINT       | Not Applicable      |             |
| MELTING POINT       | Not Available       |             |
| VOLATILE VOLUME     | <5 %                |             |
| EVAPORATION RATE    | N.A.                |             |
| VAPOR DENSITY       | N.A.                |             |
| SOLUBILITY IN WATER | 20 g per 100 ml H2O |             |

=====

## Section 10 -- STABILITY AND REACTIVITY

## -----

## STABILITY -- Stable

## CONDITIONS TO AVOID

None known.

## INCOMPATIBILITY

Strong acids

## HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Chlorine, Hydrogen Chloride

## HAZARDOUS POLYMERIZATION

Will not occur

## =====

## Section 11 -- TOXICOLOGICAL INFORMATION

## -----

## CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

## TOXICOLOGY DATA

| CAS No. | Ingredient Name |
|---------|-----------------|
|---------|-----------------|

-----

No LC50 or LD50 information is available.

## =====

## Section 12 -- ECOLOGICAL INFORMATION

## -----

## ECOTOXICOLOGICAL INFORMATION

No data available.

## =====

## Section 13 -- DISPOSAL CONSIDERATIONS

## -----

## WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Continued on page 4

=====  
Section 14 -- TRANSPORT INFORMATION  
-----

Not Regulated for Transportation.

=====  
Section 15 -- REGULATORY INFORMATION  
-----

## SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

## TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

=====  
Section 16 -- OTHER INFORMATION  
-----

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.