



**SAFETY DATA SHEET (SDS)**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** WUCT-CSL A  
**Other means of identification:** None  
**Recommended use:** Resin, For Cementitious Urethane Self-Leveling Coating  
**Manufactured by:** Xtreme Polishing Systems  
2200 NW 32nd Street  
Pompano Beach, Florida  
**E-mail Address :** www.xtremepolishingsystems.com  
**Prepared by:** The Health, Safety and Environmental Department  
**Telephone number of preparer:** 800-659-5843  
**Fax number:**

**Emergency Telephone Number:**

**24-Hour Emergency Telephone Number Canada (CANUTEC) : (613) 996-6666**

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification of hazardous product:** None  
**GHS Label Elements:** Hazard Pictograms/symbols

**Signal Word:** None  
**Hazard and Precautionary Statements:**  
Not Regulated  
**Other Hazards Known:** None known

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration (%)</u>
None	None	None

**SECTION 4. FIRST AID MEASURES**

**Inhalation** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.  
**Ingestion** IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.  
**Skin Contact** IF ON SKIN: Wash with plenty of water (5-10 minutes).  
**Eye Contact** IF IN EYES: Rinse cautiously with water for several minutes (5-10 minutes). Remove contact lenses, if present and easy to do.

**Most important symptoms and effects (acute and delayed)**  
Causes transient slight skin or eye irritation.

**Indication of any immediate medical attention and special treatment needed**  
In all cases, call a doctor. Do not forget this document.

**SECTION 5. FIRE-FIGHTING MEASURES**

**Extinguishing media**  
In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

**Specific hazards arising from the hazardous product:** During fire, nitrous gases, fumes/smoke, isocyanates and vapour may be formed.

**Special protective equipment and precautions for fire-fighting:** During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**  
Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up

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## SAFETY DATA SHEET (SDS)

should wear the appropriate protective equipment (See Section 8).

### **Methods and materials for containment and cleaning up**

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

## SECTION 7. HANDLING AND STORAGE

### **Precautions for safe handling**

Wear gloves/protective clothing/eye protection/face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

### **Conditions for safe storage, including any incompatibilities**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control Parameters ( biological limit values or exposure limit values and source of those values)**

Exposure limits: ACGIH – TLV-TWA & PEL-TWA none.

### **Engineering Controls**

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

### **Personal Protective Equipment**

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

<b>Physical State/ Appearance/ Color:</b>	Liquid/ Available colors (Beige, Red, Grey)	<b>Vapour Pressure:</b>	Not available
<b>Odour:</b>	Slight oil smell	<b>Vapour Density:</b>	Not applicable
<b>Odour threshold:</b>	Not applicable	<b>Relative Density:</b>	Depend on color 1.10-1.25 (g/ml)
<b>pH:</b>	Not applicable	<b>Solubility in water:</b>	Not available
<b>Melting/freezing point:</b>	Not available	<b>Partition coefficient-n-octanol/water:</b>	Not applicable
<b>Initial boiling point/range:</b>	Not available	<b>Auto-ignition temperature:</b>	Not available
<b>Flash point(open cup):</b>	Not available	<b>Thermal decomposition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Viscosity:</b>	Depends on color (~1100 cps – 2500 cps)
<b>Flammability (solids and gases):</b>	Not available	<b>VOC:</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other:</b>	None known

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity:** This product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** This product is stable under normal conditions.

**Possibility of hazardous reactions:** None.



## SAFETY DATA SHEET (SDS)

**Conditions to Avoid:** None.  
**Incompatible materials:** Oxidizing materials; Strong acids; etc.  
**Hazardous decomposition products:** None known.

### SECTION 11. TOXICOLOGICAL INFORMATION

**Likely routes of exposure (inhalation, ingestion, skin and eye contact):**  
Causes transient slight skin or eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics:**  
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing.

**Delayed and immediate effects ( chronic effects from short- term and long-term exposure):**

**Skin Sensitization** – No data available; **Respiratory Sensitization** – No data available; **Germ Cell Mutagenicity** – No data available; **Carcinogenicity** – No data available; **Reproductive Toxicity** – No data available; **Specific Target Organ Toxicity — Single Exposure** – No data available; **Specific Target Organ Toxicity - Repeated Exposure** – No data available; **Aspiration Hazard** – No data available; **Health Hazards Not Otherwise Classified** – No data available.

**Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>):**  
No data available.  
ATE not available in this document.

### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity ( aquatic and terrestrial information):**  
No data available.

**Persistence and degradability:** No data available.  
**Bioaccumulative potential:** No bioaccumulation is to be expected.  
**Mobility in soil:** No data available.  
**Other adverse effects:** No data available.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Information on safe handling for disposal/methods of disposal/contaminated packaging:** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

### SECTION 14. TRANSPORT INFORMATION

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:**  
Not classified as a dangerous good under transport regulations.

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):**  
Not classified as a dangerous good under transport regulations.

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):**  
Not classified as a dangerous good under transport regulations.

**Special Precautions( transport/conveyance):** None

**Environmental hazards (IMDG or other):** None known

**Bulk transport (usually more than 450L in capacity):** Possible.

### SECTION 15. REGULATORY INFORMATION

**Safety/health Canadian regulations specifics:** Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

**Environmental Canadian regulations specifics:** Refer to section 3 for ingredient(s) of the DSL.

**Safety/health/environmental outside regulations specifics:** None



**SAFETY DATA SHEET (SDS)**

**SECTION 16. OTHER INFORMATION**

**Date of latest revision of the safety data sheet:** 3 April 2017

**Disclaimer:**

**NOTICE TO READER:**

Xtreme Polishing Systems expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Xtreme Polishing Systems makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Xtreme Polishing Systems control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

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**SAFETY DATA SHEET (SDS)**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** WUCT-CSL B  
**Other means of identification:** None  
**Recommended use:** Hardener, For Cementitious Urethane Self-Leveling Coating  
**Manufactured by:** Xtreme Polishing Systems  
2200 NW 32nd Street  
Pompano Beach, Florida  
**E-mail Address :** www.xtremepolishingsystems.com  
**Prepared by:** The Health, Safety and Environmental Department  
**Telephone number of preparer:** 800-659-5843  
**Fax number:**

**Emergency Telephone Number:**

**24-Hour Emergency Telephone Number Canada (CANUTEC) : (613) 996-6666**

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification of hazardous product**

- Acute Toxicity, Inhalation-mist (Category 4)
- Skin Sensitization (Category 1B)
- Skin Corrosion/irritation (Category 2)
- Serious eye damage/irritation (Category 2B)
- Respiratory sensitization (Category 1)
- Carcinogenicity (Category 2)
- Specific target organ toxicity-single exposure (Category 3- respiratory tract irritation)
- Specific target organ toxicity-repeated exposure (Category 2- by inhalation)

**GHS Label Elements: Hazard Pictograms/symbols**



**Signal Word:** DANGER

**Hazard and Precautionary Statements:**

- H320** Causes eye irritation.
  - H315** Causes skin irritation.
  - H332** Harmful if inhaled.
  - H334** May cause allergy or asthma symptoms or breathing difficulties if inhaled.
  - H317** May cause an allergic skin reaction.
  - H335** May cause respiratory irritation.
  - H351** Suspected of causing cancer.
  - H373** May cause damage to organs (olfactory) through prolonged or repeated exposure (inhalation).
- P201** Obtain special instructions before use. **P202** Do not handle until all safety precautions have been read and understood. **P280** Wear protective gloves. **P271** Use only outdoors or in a well-ventilated area. **P260** Do not breathe dust/gas/mist/vapours. **P261** Avoid breathing mist. **P284** In case of inadequate ventilation wear respiratory protection. **P272** Contaminated work clothing should not be allowed out of the workplace. **P264** Wash with plenty of water and soap thoroughly after handling. **P312** Call a POISON CENTER/doctor if you feel unwell. **P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. **P304 + P340 IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **P308 + P311 IF exposed or concerned:** Call a POISON CENTER or doctor/physician. **P314** Get medical advice/attention if you feel unwell. **P303 + P352 IF ON SKIN (or hair):** Wash with plenty of soap and water. **P333 + P311** If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician. **P332 + P313** If skin irritation occurs: Get medical advice/attention. **P362 + P364** Take off contaminated clothing and wash before reuse. **P337 + P311** If eye irritation occurs: Call a POISON CENTER or doctor/physician. **P403 + P233** Store in a well-ventilated place. Keep container tightly closed. **P405** Store locked up. **P501** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other Hazards Known:** None known

**GHS Special Labeling:** EUH204 Contains isocyanates. May produce an allergic reaction.

Inhalation of isocyanate mists or vapors may cause respiratory irritation, breathlessness, chest discomfort and reduced pulmonary function. Overexposure well above the pel may result in bronchitis, bronchial spasms and pulmonary edema. Long-term exposure to isocyanates has been reported to cause lung damage, including reduced lung function which may be permanent. Acute or chronic overexposure to isocyanates may cause sensitization in some individuals, resulting in allergic respiratory reactions including wheezing, shortness of breathe and difficulty breathing. Animal tests indicate that skin contact may play a role in causing respiratory sensitization.

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### SAFETY DATA SHEET (SDS)

#### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration (%)</u>
diphenylmethane-4,4'-diisocyanate (MDI)	101-68-8	25 - 50 %
p-MDI	9016-87-9	50 - 75 %
Methylenediphenyl diisocyanate	26447-40-5	3 - 7 %
1,3-diazetidone-2,4-dione, 1,3-bis[4-(4-isocyanatophenyl)methyl]phenyl-	17589-24-1	1 - 3 %
Isocyanic acid, polymethylenepolyphenylene ester, polymer with alpha-hydro-omega-hydroxypoly(oxy-1,2-ethanediyl)	57636-09-6	1 - 3 %

#### SECTION 4. FIRST AID MEASURES

- Inhalation** IF INHALED: Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.
- Ingestion** IF SWALLOWED: Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.
- Skin Contact** IF ON SKIN: Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
- Eye Contact** IF IN EYES: In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

#### Most important symptoms and effects (acute and delayed)

The most important known symptoms and effects are described in the labelling (section 2) and/or in section 11., Eye irritation, skin irritation, allergic symptoms. Symptoms may be delayed.

Information on: Diphenylmethane-4,4'-diisocyanate (MDI)

Hazards: Respiratory sensitization may result in allergic (asthma-like) signs in the lower respiratory tract including wheezing, shortness of breathe and difficulty breathing, the onset of which may be delayed. Repeated inhalation of high concentrations may cause lung damage, including reduced lung function, which may be permanent. Substances eliciting lower respiratory tract irritation may worsen the asthma-like reactions that may be produced by product exposure.

#### Indication of any immediate medical attention and special treatment needed

Specific antidotes or neutralizers to isocyanates do not exist. Treatment should be supportive and based on the judgement of the physician in response to the reaction of the patient.

#### General Information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

#### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

**Suitable extinguishing media:** In case of fire: water spray, dry powder, carbon dioxide, foam

**Unsuitable extinguishing media:** Not available.

**Specific hazards arising from the hazardous product:** During fire, nitrous gases, fumes/smoke, isocyanates and vapour may be formed.

**Special protective equipment and precautions for fire-fighting:** Self-contained breathing apparatus and turn-out gear must be worn in case of fire.

**Further Information:** Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

#### Methods and materials for containment and cleaning up

**For small amounts:** Absorb isocyanates with suitable absorbent material. Shovel into open container. Do not make container pressure tight. Move container to a well-ventilated area (outside). Spill area can be decontaminated with the following recommended decontamination solution: Mixture of 90% water, 8% concentrated ammonia, 2% detergent. Add at a 10 to 1 ratio. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.

**For large amounts:** If temporary control of isocyanates vapor is required, a blanket of protein foam or other suitable foam may be placed



**SAFETY DATA SHEET (SDS)**

over the spill. Transfer as much liquid as possible via pump or vacuum device into closed but not sealed containers for disposal.

**For residues:** The following measures should be taken for final cleanup: Wash down spill area with decontamination solution. Allow solution to stand for at least 10 minutes. Dike spillage.

**Environmental Precautions**

Do not discharge into drains/surface waters/groundwater.

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

Provide suitable exhaust ventilation at the processing machines. Ensure thorough ventilation of stores and work areas. Avoid aerosol formation. When handling heated product, vapours of the product should be ventilated and respiratory protection used. Wear respiratory protection when spraying. Danger of bursting when sealed gastight. Protect against moisture. If bulging of drum occurs, transfer to well-ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing.

**Conditions for safe storage, including any incompatibilities**

Keep away from water. Segregate from foods and animal feeds. Segregate from foods and animal feeds. Segregate from acids and bases. Segregate from bases. Formation of CO<sub>2</sub> and build-up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture.

**Storage stability:** Storage temperature: 16-27°C.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control Parameters ( biological limit values or exposure limit values and source of those values)**

Exposure limits:

CAS 101-68-8	OSHA PEL	CLV 0.02ppm	0.2 mg/m <sup>3</sup>
	ACGIH TLV	TWA value	0.005ppm
CAS 9016-87-9	OSHA PEL	CLV 0.02ppm	0.2 mg/m <sup>3</sup>
	ACGIH TLV	TWA value	0.005ppm
CAS 26447-40-5	No exposure limits noted for the ingredient(s)		
CAS 17589-24-1	No exposure limits noted for the ingredient(s)		
CAS 57636-09-6	OSHA PEL	CLV 0.02ppm	0.2 mg/m <sup>3</sup>
	ACGIH TLV	TWA value	0.005ppm

**Engineering Controls**

Provide good local exhaust ventilation to control vapour/mist. Eye wash facilities and emergency showers must be available when handling this product. Wash soiled clothing immediately. Contaminated equipment or clothing should be cleaned after each use or disposed of.

**Personal Protective Equipment**

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists. Wear appropriate protective clothing. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eyewash fountains and safety showers are recommended in the work area.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State/ Appearance/ Color:</b>	Liquid, Dark amber	<b>Vapour Pressure:</b>	0.00016 mmHg (20°C)
<b>Odour:</b>	Faintly aromatic	<b>Vapour Density:</b>	Not applicable
<b>Odour threshold:</b>	Not applicable	<b>Relative Density:</b>	1.22 (g/ml)
<b>pH:</b>	Not applicable	<b>Solubility in water:</b>	<b>Reacts with water</b>
<b>Melting/freezing point:</b>	<b>3°C (37.4°F)</b>	<b>Partition coefficient-n-octanol/water:</b>	Not applicable
<b>Initial boiling point/range:</b>	200°C (392°F)	<b>Auto-ignition temperature:</b>	>250°C (>482°F)
<b>Flash point(open cup):</b>	220°C (428°F)	<b>Thermal decomposition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Viscosity:</b>	200 cps
<b>Flammability (solids and gases):</b>	Not flammable	<b>VOC:</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other:</b>	None known



**SAFETY DATA SHEET (SDS)**

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity:** This product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** This product is stable under normal conditions.

**Possibility of hazardous reactions:** Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols. Reacts with acids. Reacts with alkalis. Reacts with amines. Risk of exothermic reaction. Risk of polymerization. Contact with certain rubbers and plastics can cause brittleness of substance/product with subsequent loss in strength.

**Conditions to Avoid:** Avoid moisture.

**Incompatible materials:** Acids, amines, alcohols, water, alkalines, strong bases, substances/products that react with isocyanates.

**Hazardous decomposition products:** carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide, aromatic isocyanates, gases/vapours.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Likely routes of exposure (inhalation, ingestion, skin and eye contact):**

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

**Symptoms related to the physical, chemical and toxicological characteristics:**

**Assessment of acute toxicity:** Inhalation of vapour may cause irritation of the mucous membranes of the nose, throat or trachea, breathlessness, chest discomfort, difficult breathing and reduced pulmonary function. Inhalation exposure well above the PEL may result additionally in eye irritation. Headache, chemical bronchitis, asthma-like findings or pulmonary edema. Isocyanates have also been reported to cause hypersensitivity pneumonitis, which is characterized by flu-like symptoms, the onset of which may be delayed. Irritating to eyes, respiratory system and skin. Skin contact may result in dermatitis, either irritative or allergic.

**Assessment of chronic toxicity:** The substance may cause damage to the olfactory epithelium after repeated inhalation. The substance may cause damage to the lung after repeated inhalation. These effects are not relevant to humans at occupational levels of exposure.

**Delayed and immediate effects ( chronic effects from short- term and long-term exposure):**

**Skin Sensitization** – Sensitization after skin contact possible; **Respiratory Sensitization** – The substance may cause sensitization of the respiratory tract; **Germ Cell Mutagenicity** – Results could not be confirmed in tests with mammals; **Carcinogenicity** – A carcinogenic potential cannot be excluded after prolonged exposure to severely irritating concentrations. IARC Group 3 (not classifiable as to human carcinogenicity); **Reproductive Toxicity** – Toxicity to development was observed at high doses that were toxic to the parental animals; **Specific Target Organ Toxicity — Single Exposure** – Causes temporary irritation of the respiratory tract; **Specific Target Organ Toxicity - Repeated Exposure** – The substance may cause damage to the olfactory epithelium after repeated inhalation; effect are not relevant to humans at occupational levels of exposure; **Aspiration Hazard** – No aspiration hazard expected; **Health Hazards Not Otherwise Classified** – No data available.

**Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>):**

CAS 101-68-8	LD <sub>50</sub> , Oral- Rat - >2000 mg/kg
	LC <sub>50</sub> , Inhalation - Rat – 2.0 mg/l
	LD <sub>50</sub> , Dermal- Rabbit - >9400 mg/kg
CAS 9016-87-9	No data available
CAS 26447-40-5	No data available
CAS 17589-24-1	No data available
CAS 57636-09-6	No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity ( aquatic and terrestrial information):**

There is a high probability that the product is not acutely harmful to aquatic organisms.

Product	Species	Result
	LC <sub>0</sub> Brachydanio rerio	>1000 mg/l - 96 h
	EC <sub>50</sub> Daphnia magna	>1000 mg/l – 24 h
	EC <sub>0</sub> Scenedesmus subspicatus	1640 mg/l – 72 h

**Persistence and degradability:** Poorly biodegradable. The product is unstable in water. In contact with water the substance will hydrolyse slowly.

**Bioaccumulative potential:** Significant accumulation in organisms is not to be expected.

**Mobility in soil:** The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is not expected.

**Other adverse effects:** No data available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

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## SAFETY DATA SHEET (SDS)

**Information on safe handling for disposal/methods of disposal/contaminated packaging:** Incinerate or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

### SECTION 14. TRANSPORT INFORMATION

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:**  
Not classified as a dangerous good under transport regulations.

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):**  
Not classified as a dangerous good under transport regulations.

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):**  
Not classified as a dangerous good under transport regulations.

**Special Precautions( transport/conveyance):** None

**Environmental hazards (IMDG or other):** None known

**Bulk transport (usually more than 450L in capacity):** Possible.

### SECTION 15. REGULATORY INFORMATION

**Safety/health Canadian regulations specifics:** Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

**Environmental Canadian regulations specifics:** Refer to section 3 for ingredient(s) of the DSL.

**Safety/health/environmental outside regulations specifics:** None

### SECTION 16. OTHER INFORMATION

**Date of latest revision of the safety data sheet:** 3 April 2017

**Disclaimer:**

#### **NOTICE TO READER:**

Xtreme Polishing Systems expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Xtreme Polishing Systems makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Xtreme Polishing Systems control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

\*\*\*END OF S.D.S.\*\*\*



**SAFETY DATA SHEET (SDS)**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identifier:** WUCT-CSL C  
**Other means of identification:** None  
**Recommended use:** Cement, For Cementitious Urethane Self-Leveling Coating  
**Manufactured by:** CTM Adhesives Inc.  
 8320 Grenache  
 Montréal, Québec  
 Canada H1J 1C5  
**E-mail Address :** www.ctmadhesives.com  
**Prepared by:** The Health, Safety and Environmental Department of CTM Adhesives  
**Telephone number of preparer:** 1-514-321-5540  
**Fax number:** 1-514-321-5570  
**Emergency Telephone Number:**  
**24-Hour Emergency Telephone Number Canada (CANUTEC) : (613) 996-6666**

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification of hazardous product**

- Carcinogenicity (inhalation) (Category 1A)
- Skin Corrosion/irritation (Category 1)
- Serious eye damage/irritation (Category 1)
- Specific target organ toxicity-single exposure (Category 3- respiratory tract irritation)
- Specific target organ toxicity- repeated exposure (Category 2)

**GHS Label Elements: Hazard Pictograms/symbols**



**Signal Word:** DANGER

**Hazard and Precautionary Statements:**

- H350i** May cause cancer by inhalation
- H314** Causes severe skin burns and eye damage
- H318** Causes serious eye damage
- H335** May cause respiratory irritation
- H373** May cause damage to organs through prolonged or repeated exposure

**P201** Obtain special instructions before use. **P202** Do not handle until all safety precautions have been read and understood. **P271** Use only outdoors or in a well-ventilated area. **P260** Do not breathe dusts/fume/gas/mist/vapours/spray. **P314** Get medical advice/attention if you feel unwell. **P280** Wear protective gloves/ protective clothing/ eye protection/ face protection. **P264** Wash with plenty of water and soap thoroughly after handling. **P308 + P313** IF exposed or concerned: Get medical advice/attention. **P301 + P330 + P331 IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. **P303 + P361 + P353 IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water. **P304 + P340 IF INHALED:** Remove person to fresh air and keep comfortable for breathing. **P310** Immediately call a POISON CENTER/doctor. **P305 + P351 + P338 IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P310** Immediately call a POISON CENTER/doctor. **P403 + P233** Store in a well-ventilated place. Keep container tightly closed. **P405** Store locked up. **P501** Dispose of contents/container into safe container in accordance with local, regional or national regulations.

**Other Hazards Known:** None known

**GHS Special Labeling:** None known

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Concentration (%)</u>
Natural sand	None	60 - 100
Quartz (Crystalline Silica)	14808-60-7	1 - 5
Cement, Portland, chemicals	65997-15-1	10 - 30
Calcium hydroxide	1305-62-0	1 - 10

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## SAFETY DATA SHEET (SDS)

### SECTION 4. FIRST AID MEASURES

- Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Assist in breathing if necessary. Immediate medical attention required.
- Ingestion** IF SWALLOWED: Get medical attention immediately. Call a poison center or physician. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING unless directed to do so by medical personnel. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Chemical burns must be treated promptly by a physician.
- Skin Contact** IF ON SKIN: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Eye Contact** IF IN EYES: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician. Get medical attention immediately. Call a poison center or physician.

#### **Most important symptoms and effects (acute and delayed)**

**Eye Contact:** Causes serious eye damage.  
**Inhalation:** May cause respiratory irritation.  
**Skin Contact:** Causes severe skin burns. Causes skin irritation.  
**Ingestion:** May cause burns to mouth, throat and stomach.

#### **Over-exposure signs/symptoms**

**Eye Contact:** Adverse symptoms may include the following: pain, watering, and redness  
**Inhalation:** Adverse symptoms may include the following: respiratory tract irritation, burning sensation, coughing  
**Skin Contact:** Adverse symptoms may include the following: pain or irritation, redness and blistering may occur, skin burns, ulceration and necrosis may occur  
**Ingestion:** Adverse symptoms may include the following: burning sensation, abdominal cramps and pain, vomiting

#### **Indication of any immediate medical attention and special treatment needed**

**Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.  
**Specific treatments:** No specific treatment  
**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### **General Information**

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### SECTION 5. FIRE-FIGHTING MEASURES

#### **Extinguishing media**

**Suitable extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.  
**Unsuitable extinguishing media:** Do not use water jet or water-based fire extinguishers.

**Specific hazards arising from the hazardous product:** No specific fire or explosion hazard. Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides and metal oxide/oxides.

**Special protective equipment and precautions for fire-fighting:** Fire-fighters should wear appropriate protective equipment (gloves, protective clothing) and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Further Information:** Keep containers cool by spraying with water if exposed to fire. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### **Personal precautions, protective equipment and emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Spilled material, where dust can be generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.



## SAFETY DATA SHEET (SDS)

### Methods and materials for containment and cleaning up

**For small amounts:** Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Place spilled material in a designated, labeled waste container. Dispose of waste material by using a licensed waste disposal contractor.

**For large amounts:** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Large spills to waterways may be hazardous due to alkalinity of the product. Dispose of waste material by using a licensed waste disposal contractor.

### Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has entered the environment, including waterways, soil or air. Materials can enter waterways through drainage systems.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Put on appropriate personal protective equipment (see Section 8). Avoid exposure- obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid inhalation of dust and contact with eyes and skin. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep material dry in storage. Avoid creating dust. Avoid breakage of bagged material or spills of bulk material. A key to using the product safely requires the user to recognize that Portland cement reacts chemically with water to produce calcium hydroxide which can cause severe chemical burns. Every attempt should be made to avoid skin and eye contact with cement.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters ( biological limit values or exposure limit values and source of those values)

Exposure limits:

CAS 14808-60-7	ACGIH TLV (United States, 3/2012) TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction NIOSH REL (United States, 6/2009) TWA: 0.05 mg/m <sup>3</sup> 10 hours. Form: respirable dust OSHA PEL Z-3 (United States, 9/2005) TWA: 10 mg/m <sup>3</sup> divided by %SiO <sub>2</sub> + 2: Respirable TWA: 30 mg/m <sup>3</sup> divided by %SiO <sub>2</sub> + 2: Total
CAS 65997-15-1	ACGIH TLV (United States, 3/2012) TWA: 1 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction NIOSH REL (United States, 6/2009) TWA: 5 mg/m <sup>3</sup> 10 hours. Form: Respirable fraction TWA: 10 mg/m <sup>3</sup> 10 hours. Form: Total OSHA PEL Z-3 (United States, 9/2005) TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
CAS 1305-62-0	OSHA PEL (United States, 2/2013) TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust ACGIH TLV (United States, 4/2014) TWA: 5 mg/m <sup>3</sup> 8 hours NIOSH REL (United States, 10/2013) TWA: 5 mg/m <sup>3</sup> 10 hours MSHA PEL TWA 8/40 hours: 5mg/m <sup>3</sup>

### Engineering Controls

Use only with adequate ventilation. If user operations generate dust, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Eyewash stations should be within direct access.

### Personal Protective Equipment

Use impervious, waterproof, abrasion and alkali-resistant gloves. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Safety glasses with side shields should be worn as minimum protection. Appropriate footwear and any additional skin protection should be selected based on the task



**SAFETY DATA SHEET (SDS)**

being performed and the risks involved. Footwear and other gear to protect the skin should be approved by a specialist before handling this product. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product, and assigned protection factor of the selected respirator. When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Eyewash fountains and safety showers are recommended in the work area.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State/ Appearance/ Color:</b>	Solid / Fine powder/ Neutral	<b>Vapour Pressure:</b>	Not applicable
<b>Odour:</b>	Odorless	<b>Vapour Density:</b>	Not applicable
<b>Odour threshold:</b>	Not available	<b>Relative Density:</b>	1.93 – 2.63 (g/ml)
<b>pH:</b>	Not applicable	<b>Solubility in water:</b>	Slightly soluble in water
<b>Melting/freezing point:</b>	Not available	<b>Partition coefficient-n-octanol/water:</b>	Not applicable
<b>Initial boiling point/range:</b>	Not available	<b>Auto-ignition temperature:</b>	Not available
<b>Flash point:</b>	Not flammable. Non-combustible.	<b>Thermal decomposition temperature:</b>	Not available
<b>Evaporation rate:</b>	Not available	<b>Viscosity:</b>	Not applicable
<b>Flammability (solids and gases):</b>	Not applicable	<b>VOC:</b>	0
<b>Upper and lower flammability/explosive limits</b>	Not applicable	<b>Other:</b>	None known

**SECTION 10. STABILITY AND REACTIVITY**

**Reactivity:** This product is stable and non-reactive under normal conditions of use, storage and transport. Cement reacts slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution until reaction is substantially complete.

**Chemical Stability:** This product is stable under normal conditions.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to Avoid:** None known.

**Incompatible materials:** Reactive or incompatible with the following materials: **Hydrated Lime** – oxidizing materials and acids. **Sand**- oxidizing materials such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride. Soluble in hydrofluoric acid and produces a corrosive gas- silicon tetrafluoride. Quartz is attacked by strong alkalis and hydrofluoric acid. **Portland cement**- oxidizing materials, acids, aluminum and ammonium salt. Portland cement is highly alkaline and will react with acids to produce a violent, heat-generating reaction. Toxic gases or vapors may be given off depending on the acid involved. Reacts with acids, aluminum metals and ammonium salts. Aluminum powder and other alkali and alkaline earth elements will react in wet mortar or concrete, liberating hydrogen gas. Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium. Silica reacts violently with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride yielding possible fire and/or explosion. Silicates dissolve readily in hydrofluoric acid producing a corrosive as- silicon tetrafluoride.

**Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Likely routes of exposure (inhalation, ingestion, skin and eye contact):**

May cause skin irritation. May cause serious burns in the presence of moisture. Causes serious eye damage. May cause burns in the presence of moisture. May cause respiratory tract irritation. May cause burns to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics:**

**Eye Contact:** Adverse symptoms may include the following: pain, watering, and redness

**Inhalation:** Adverse symptoms may include the following: respiratory tract irritation, burning sensation, coughing

**Skin Contact:** Adverse symptoms may include the following: pain or irritation, redness and blistering may occur, skin burns, ulceration and necrosis may occur

**Ingestion:** Adverse symptoms may include the following: burning sensation, abdominal cramps and pain, vomiting

**Delayed and immediate effects ( chronic effects from short- term and long-term exposure):**

**Skin Sensitization** – No data available; **Respiratory Sensitization** – No data available ; **Germ Cell Mutagenicity** – No data available; **Carcinogenicity** – Quartz: may cause cancer if inhaled. Risk of cancer depends in duration and level of exposure; **Reproductive Toxicity** – No data available; **Specific Target Organ Toxicity – Single Exposure** – Causes irritation of the respiratory tract; **Specific Target Organ Toxicity - Repeated Exposure** – May cause damage to organs (respiratory tract, kidneys) through prolonged or repeated exposure (by inhalation); **Aspiration Hazard** – No aspiration hazard expected; **Health Hazards Not Otherwise Classified** – No data available.

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**Numerical measures of toxicity (ATE; LD<sub>50</sub> & LC<sub>50</sub>):**

CAS 14808-60-7 LCL, Inhalation; Dose : 300µg/m<sup>3</sup>/10Y  
CAS 65997-15-1 No data available  
CAS 1305-62-0 LD<sub>50</sub>, Oral- Rat - 7340 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity ( aquatic and terrestrial information):**

This product is not classified as environmentally hazardous.

Product	Species	Result
CAS 14808-60-7	No data available	33884.4 µg/L Fresh Water 96 hours
CAS 65997-15-1	No data available	
CAS 1305-62-0	LC <sub>50</sub> Clarias gariepinus - Fingerling	

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** Not available.

**Other adverse effects:** No data available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Information on safe handling for disposal/methods of disposal/contaminated packaging:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Untreated waste should not be released to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe manner. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

**SECTION 14. TRANSPORT INFORMATION**

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:**  
Not classified as a dangerous good under transport regulations.

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime):**  
Not classified as a dangerous good under transport regulations.

**UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air):**  
Not classified as a dangerous good under transport regulations.

**Special Precautions( transport/conveyance):** None

**Environmental hazards (IMDG or other):** None known

**Bulk transport (usually more than 450L in capacity):** Possible.

**SECTION 15. REGULATORY INFORMATION**

**Safety/health Canadian regulations specifics:** Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

**Environmental Canadian regulations specifics:** Refer to section 3 for ingredient(s) of the DSL.

**Safety/health/environmental outside regulations specifics:** None

**SECTION 16. OTHER INFORMATION**

**Date of latest revision of the safety data sheet:** 3 April 2017

**Disclaimer:**

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PRODUCT IDENTIFIER – WUCT-CSL A,B&C  
DATE & VERSION - 3 April 2017 Version 1

## SAFETY DATA SHEET (SDS)

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\*\*\*END OF S.D.S.\*\*\*

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