**SAFETY DATA SHEET**

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**DESCRIPTION OF FIRST AID MEASURES**

**EYE CONTACT:** Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

SECTION 4: First Aid Measures

|  |  |  |
| --- | --- | --- |
| **COMPONENTS** | **CAS #** | **% BY WEIGHT** |
| Water | 7732-18-5 | 70 – 75 |
| Acrylic Polymers | Not hazardous | 25 - 30 |

SECTION 3: Composition/Information on Ingredients

**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

This product is NOT considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**LABEL ELEMENTS**

Hazard pictograms.

 Signal word.

 Hazard statements.

 Precautionary statements.

**OTHER HAZARDS**

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

 Not applicable.

 UNKNOWN ACUTE TOXICITY

 0% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION 2: Hazards Identification

**PRODUCT: AC 3301 ACRYLBOND**

**PRODUCT DESCRIPTION:** Preparation / Mixture

**PRODUCT USE:** As a bonding agent between new to old concrete, new to new concrete, and integrally as an additive to the cement mixture.

**DISTRIBUTED BY: WALLACE CONSTRUCTION SPECIALTIES LTD**

825 MacKay Street

 Regina, Sask

 Canada, S4N 2S3

 306-569-2334

**EMERGENCY CONTACT: CANUTEC 613-996-6666**

**REVISION DATE:** 12/14/2016

SECTION 1: Product and Company Identification

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**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Evacuate the area and keep unnecessary and unprotected personnel from entering the spill area. Use proper personal protective equipment as listed in Section 8.

**ENVIRONMENTAL PRECAUTIONS:** Avoid runoff into storm sewers, ditches and waterways.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP**

**METHODS FOR CONTAINMENT:** Handle in accordance with good industrial hygiene and safety practices. Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location.

SECTION 6: Accidental Release Measures

**EXTINGUISHING MEDIA**

**SUITABLE EXTINGUISHING MEDIA:** Us alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this product.

 **UNSUITABLE EXTINGUISHING MEDIA:** No information available.

**SPECIAL HAZARDS ARISING FROM THE SUBSTANCE/MIXTURE**

**ADVICE FOR FIRE-FIGHTER:** As in any fire, wear self-contained breathing apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

**FURTHER INFORMATION:** Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. Product itself is non-combustible, fire extinguishing method of surrounding areas must be considered.

SECTION 5: Fire Fighting Measures

**SKIN CONTACT:** Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician immediately.

**INHALATION:** Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get immediate medical attention.

**INGESTION:** If swallowed, do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

**MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE & DELAYED)**

**SYMPTOMS:** No information available.

**INHALATION:** May cause respiratory tract irritation.

**SELF-PROTECTION OF THE FIRST AIDER:** Pay attention to self-protection.

**INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

Immediately seek medical advice or attention if symptoms are significant or persist.

**NOTES TO PHYSICIAN:** Treat symptomatically.

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**CONTROL PARAMETERS:**

Country specific exposure limits have not been established or are not applicable unless listed below.

|  |  |  |  |
| --- | --- | --- | --- |
| **COMPONENTS** | **ACGIH****TLV** | **OSHA****PEL** | **NIOSH****REL** |
|  |  |  |  |

**EXPOSURE CONTROLS**

**APPROPRIATE ENGINEERING CONTROL:** Use appropriate engineering controls such as process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYE/FACE PROTECTION:** Wear appropriate protective glasses or splash goggles as described by 20 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

**SKIN/BODY PROTECTION:** Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin, or clothing.

**RESPIRATORY PROTECTION:** A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are not known, or any other circumstances where ait purifying respirators may not provide adequate protection.

SECTION 8: Exposure Controls / Personal Protection

**PRECAUTIONS FOR SAFE HANDLING:** Contain spills with an inert absorbent material such as soil or sands. Prevent from spreading by covering, diking or other means. Provide adequate ventilation.

**CONDITIONS FOR SAFE STORAGE:** Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use. Do not store container in direct sunlight or above 38°C (100°F).

**INCOMPATIBLE PRODUCTS:** None known based on the information supplied.

**SPECIFIC END USE(S):** No information available.

SECTION 7: Handling and Storage

**METHODS FOR CLEAN UP:** Clean up spills immediately observing precautions in the protective equipment section. Place into a suitable container for disposal. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.

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**INFORMATION ON TOXICOLOGICAL EFFECTS:** This product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

SECTION 11: Toxicological Information

**REACTIVITY:** No dangerous reactions are known under conditions of normal use.

**CHEMICAL STABILITY:** Stable under recommended storage and handling conditions.

**POSSIBLY OF HAZARDOUS REACTIONS:** No dangerous reactions known under conditions of normal use.

**CONDITIONS TO AVOID:** Heat, flames, incompatible materials and freezing or temperatures below 0°C (32°F).

**INCOMPATIBILITY (MATERIALS TO AVOID):** Metal salts.

**HAZARDOUS DECOPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, hydrocarbons.

SECTION 10: Stability and Reactivity

**INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

|  |  |
| --- | --- |
|  | **PRODUCT CRITERIA** |
| **PHYSICAL STATE** | Liquid |
| **APPEARANCE – COLOR** | Milky white |
| **ODOR** | Slight |
| **ODOR THRESHOLD** | No data available |
| **pH** | 8 – 9 |
| **MELTING POINT/FREEZING POINT** | < 0°C |
| **INITIAL BOILING POINT / BOILING RANGE** | >100°C |
| **FLASH POINT** | No data available |
| **EVAPORATION RATE** | No data available |
| **FLAMMABILITYS (SOLID/GAS)** | No data available |
| **UPPER/LOWER FLAMMABILITY**  | No data available |
| **VAPOR PRESSURE** | No data available |
| **VAPOR DENSITY (AIR=1)** | No data available |
| **SPECIFIC GRAVITY (@ 25°c)** | 1.02 |
| **SOLUBILITY** | Soluble in water |
| **PARTITION COEFFICIENT: n-octanol/water** |  |
| **AUTO IGNITION TEMPERATURE** | No data available |
| **DECOMPOSITION TEMPERATURE** | No data available |
| **VISCOSITY** | No data available |
| **EXPLOSIVE PROPERTIES** | No data available |
| **OXIDISING PROPERTIES** | No data available |

**OTHER INFORMATION:** VOC 0 g/L.

SECTION 9: Physical and Chemical Properties

**OTHER PROTECTION:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**GENERAL HYGIENE CONSIDERATIONS:** Handle in accordance with good industrial hygiene and safety practices.

**ENVIRONMENTAL EXPOSURE CONTROLS:** Avoid release to the environment.

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**ECOTOXICITY:** This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water. The environmental impact of this product has not been fully investigated.

**ECOTOXICITY DATA**

|  |  |
| --- | --- |
| **Ecotoxicity** | **Chemical Name** |
|  | **Acrylic Polymers** |
| **Toxicity to algae** | EC50 / 72 hrs | >100 mg/L (Scenedesmus Subspicatus) |
| NOEC / 96 hrs or 72 hrs | - |
| M Factor | - |
| **Toxicity to fish** | LC50 / 96 hrs | >100 mg/L (Brachydanio Rerio) |
| NOEC / 21 days | - |
| M Factor | - |
| **Toxicity to Daphnia** | EC50 / 48 hrs | >100 mg/L (Daphnia Magna) |
| NOEC / 21 days | - |
| M Factor | - |

**PERSISTENCE / DEGRADABILITY:** No further relevant information available.

**MOBILITY IN SOIL:** No further relevant information available.

SECTION 12: Ecological Information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **GHS REQUIRED CRITERIA** | **TOXICITY CRITERIA** | **TOXICITY INFORMATION** | **COMMENTS** | **CHEMICAL CONSTITUENTS** |
| **Acute Toxicity** | LD50 (Oral/Rat) | >2000 – 10000 mg/kg |  | Acrylic Polymers |
|  | LC50 (Inhalation/Rat) | >5 mg/L 6 hrs (mist) |  |
|  | LD50 (Dermal/Rat) | >5000 mg/kg |  |
| **Skin Corrosion / Irritation** | Not classified |  |  |
| **Serious Eye Damage/ Eye Irritation** | Not classified |  |
| **Respiratory or Skin Sensitization** | Not classified |  |
| **Germ Cell Mutagenicity** | No evidence of mutagenic effects |  |
| **Carcinogenicity** | Not classified |  |
| **Reproductive Toxicity** | No evidence of reproductive effects |  |
| **STOT – Single Exposure** | No specific target organ toxicity to be expected |  |
| **STOT – Repeated Exposure** | No adverse effects were observed |  |
| **Aspiration Hazard** | Not classified |  |

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|  |  |
| --- | --- |
| **HMIS RATING** | **NFPA RATING** |
| Health – 1 | Health - 1 |
| Flammability – 0 | Flammability – 0 |
| Physical Hazards – 0 | Instability – 0 |
| Personal Protection – X | Special -  |

**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS / LEGISLATIONS SPECIFIC FOR THE CHEMICAL**

**CANADA**

**WHMIS CLASSIFICATION:** This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

**US FEDERAL INFORMATION**

**SARA 302/311/312/313:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302, 311, 312, or 313.

SECTION 15: Regulatory Information

**DOT:** Not regulated as a hazardous material for transport.

**TDG:** Not regulated as a hazardous material for transport.

**IATA:** Not regulated as a hazardous material for transport.

**IMDG:** Not regulated as a hazardous material for transport.

SECTION 14: Transportation Information

**WASTE DISPOSAL:** Dispose of waste according to local, state / provincial, and federal requirements. Do not discharge into drains / surface waters / ground water.

**CONTAMINATED MATERIALS:** Disposal must be made in accordance with local, state and federal regulations.

**CONTAINER DISPOSAL:** Disposal must be made in accordance with local, state and federal regulations.

**RECOMMENDED CLEANING AGENT:** Water, if necessary with cleaning agents.

SECTION 13: Disposal Considerations

**BIOACCUMULATIVE POTENTIAL:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Product/Ingredient Name** | **Log Pow** | **BCF** | **Potential** |
|  |  |  |  |

**OTHER ADVERSE EFFECTS:** No further relevant information available.

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**PREPARED BY:** Joey Wang

**REVISION DATE:** 12/14/2016

SECTION 16: Other Information

**RCRA:** Not classified as a hazardous substance under the Resource Conservation and Recovery Act, or its regulations, 40 CFR .261.

**CERCLA:** Not classified as a hazardous substance under regulations of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), 40 CFR .302.

**EMERGENCY PLANNING AND**

**COMMUNITY RIGHT-TO-KNOW**

**ACT (SARA TITLE III):** Not an extremely hazardous substance under Section 302 and is not a toxic chemical subject to the requirements of Section 313.

 **NTP:** Not classified.

 **OSHA CARINOGEN:** Not listed.

 **STATE RIGHT TO KNOW LAWS:** California Prop. 65 Components

WARNING: This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

 **GLOBAL INVENTORIES:** DSL: All components of this product are on the Canadian DSL list.

 TSCA NO: All constituents are listed in the TSCA inventory.

*The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of this product described herein.*