



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCES AND OF THE COMPANY

PRODUCT NAME	WiserShield™ 61 Part B Quick-Set Activator		
PRODUCT USE	Commercial Coating		
MANUFACTURER'S NAME	CRC COATING TECHNOLOGIES INC.™ 6254 Skyway Rd., PO Box 915 SMITHVILLE, ON L0R 2A0 info@crccoatings.com	TEL 289-448-0157 888-292-5565 FAX 905-527-0606	CRC COATING TECHNOLOGIES INC.™ 3909 Witmer RD Suite 1014 NIAGARA FALLS, NY 14305 www.crccoatings.com

2. HAZARDS IDENTIFICATION

 GHS07	GHS CLASSIFICATION: Flammability 5, Reactivity 5, Health 3
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ROUTE OF ENTRY	Skin, eyes, oral
CARCINOGENIC STATUS	N/D
TARGET ORGANS	N/D
HEALTH EFFECTS – EYE	Causes serious eye irritation. Direct abrasion of cornea from solid, erythema and burn from reaction with water, conjunctival swelling and cornea opacification from hypertonic solution and heat. Corneal eye pain, redness, acute corneal thickening or whitening.
HEALTH EFFECTS – SKIN	Causes skin irritation. Direct abrasion of skin from solid, erythema and burn from reaction with water. Prolonged contact and occlusion may cause more severe symptoms. Damage is localized to contact areas.
HEALTH EFFECTS – INGESTION	Harmful if swallowed. Consumption of solids or hypertonic solutions causes nausea, vomiting, and increased thirst.
HEALTH EFFECTS - INHALATION	Inhaling dust may cause irritation to upper respiratory tract (nose and throat). Nasa mucosal and oropharyngeal erythema.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients are proprietary

4. FIRST AID MEASURES

FIRST AID – INHALATION	If inhalation of dust occurs and adverse effects result, remove to uncontaminated area. Call a Poison Center or doctor if you feel unwell.
FIRST AID – SKIN	If on skin, wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. SPECIFIC TREATMENT: wash with lots of water.
FIRST AID – EYE	If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing. If irritation occurs, get medical advice/attention.
FIRST AID – INGESTION	If swallowed, rinse mouth. Contact a Poison Center or doctor if you feel unwell.

INFORMATION FOR DOCTOR

Delayed Symptoms/Effects: Chronic exposures to skin and mucus membranes that cause irritation may cause a chronic dermatitis or mucosal membrane problem.

Medical conditions aggravated by exposure: Any skin condition that disrupts the skin, such as abrasions, cuts, psoriasis, fungal infections, etc. Any upper respiratory conditions that compromise mucosa can increase local damage from dust contact. Any eye condition that compromises tear production, conjunctiva, or normal corneal homeostasis.

Protection of First-Aiders: At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission. If potential for exposure exists refer to Section 8 to specific personal protective equipment.

Notes to Physician: Due to irritant properties, resulting from heat created as solid material dissolves in water, swallowing may result in burn/ulceration of mucus membranes. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY	This material does not burn.
EXTINGUISHING MEDIA	Use extinguishing agents appropriate for surrounding fire.
SPECIAL HAZARDS OF PRODUCT	None
PROTECTIVE EQUIPMENT FOR FIRE FIGHTING	None
EXPLOSION DATA – SENSITIVITY TO IMPACT	N/A
EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE	Not applicable

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES	Small and large spills: Contain spilled material if possible. Collect in suitable and properly labeled container. Flush residue with plenty of water. See Section 13, Disposal considerations, for additional information.
PERSONAL PRECAUTIONS	Isolate area. Keep unnecessary and unprotected personnel from entering the area. Spilled material may cause a slipping hazard on some surfaces. Use appropriate safety equipment. For additional information, refer to Section 8, exposure Controls and Personal Protection. Refer to Section 7, Handling for additional precautionary measures.
ENVIRONMENTAL PRECAUTIONS	Deluge spills with a 10% salt or brine solution to solidify solids. Soak up exuded liquids with inert absorbent material and collect in ventilated waste container for disposal.

REFERENCES TO OTHER SECTIONS

See Section 7 for information on safe handling
 See Section 8 for information on personal protection equipment
 See Section 13 for disposal information

7. HANDLING AND STORAGE

HANDLING	Heat developed during diluting or dissolving is very high. Use cool water when diluting or dissolving (temperature less than 80°F, 27°C). Avoid contact with eyes, skin, and clothing. Don't swallow. Wash thoroughly after handling. See Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION.
STORAGE	Store in a dry place. Protect from atmospheric moisture. Keep container tightly closed. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to avoid

Heat is generated when mixed with water or aqueous acids, Spattering and boiling can occur. Avoid contact with: bromide trifluoride, 2-furan percarboxylic acid because calcium chloride is incompatible with those substances. Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. Attacks metals in the presence of moisture and may release flammable hydrogen gas. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates.

SPECIFIC END USE(S)

No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES	Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.
RESPIRATORY PROTECTION	Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. In dusty or misty atmospheres, use an approved particulate respirator. The following should be effective types of air-purifying respirators: High efficiency particulate air (HEPA) N95. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.
HAND PROTECTION	Use gloves constructed of chemical resistant material. If hands are cut or scratched, use gloves chemically resistant to this material even for brief exposures. Examples of preferred glove barrier materials include: Neoprene, polyvinyl chloride ("PVC" or "vinyl"). Nitrile/butadiene rubber ("nitrile" or "NBR"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection). Potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.
EYE PROTECTION	Wear safety glasses with side-shields. For dusty operations or when handling solutions of the material, wear chemical goggles.
BODY PROTECTION	Wear clean, body-covering clothing.
PROTECTION DURING APPLICATION	None Required

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Flakes
ODOUR & APPEARANCE	White, odorless
ODOR THRESHOLD (ppm)	No data available
SPECIFIC GRAVITY	Not applicable to solids
VAPOR DENSITY (AIR = 1)	Data not available
VAPOR PRESSURE 20 C	Negligible at ambient temperature
EVAPORATION RATE	Data not available
BOILING POINT (°C)	Not applicable to solids
AUTOIGNITION TEMP (°C)	N/A
FREEZING POINT	Not applicable to solids
pH	Not applicable to solids
COEFFICIENT OF WATER/OIL DISTRIBUTION	Completely soluble in water
SOLUBILITY IN WATER	Readily soluble
VOC (g/l)	0
FLASH POINT (PMCC) (°C/F)	Not Applicable
UPPER FLAMMABLE LIMIT %VOL	Not Applicable
LOWER FLAMMABLE LIMIT %VOL	Not Applicable

10. STABILITY AND REACTIVITY

STABILITY	Stable at normal temperatures and pressures. Hygroscopic. Liberates large amounts of heat when dissolving in water or aqueous acids.
CONDITIONS TO AVOID	None known.
MATERIALS TO AVOID	Heat is generated when mixed with water or aqueous acids. Spattering and boiling can occur. Avoid contact with: bromide trifluoride, 2-furan percarboxylic acid because calcium chloride is incompatible with those substances. Contact with zinc forms flammable hydrogen gas, which can be explosive. Catalyzes exothermic polymerization of methyl vinyl ether. Attacks metals in the presence of moisture and may release flammable hydrogen gas. Reaction of bromide impurity with oxidizing materials may generate trace levels of impurities such as bromates.
HAZARDOUS POLYMERIZATION	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	Formed under fire conditions: hydrogen chloride gas, calcium oxide

11. TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE	Possible skin irritation
EFFECTS OF CHRONIC EXPOSURE	Chronic exposure to calcium chloride may cause chronic dermatitis
EXPOSURE LIMITS	N/A
IRRITANCY	May cause irritation
SENSITATION	N/A
CARCINOGENICITY	None reported
REPRODUCTIVE TOXICITY	None reported
TERATOGENICITY	None reported
MUTAGENICITY	None reported

12. ECOLOGICAL INFORMATION

MOBILITY	Mobile
PERSISTENCE / DEGRADABILITY	Non Biodegradable
BIO-ACCUMULATION	Low Level Bioaccumulation
ECOTOXICITY	c 8 g/L for Lepomis Macro Chirus c 7.6 g/L for Daphne Magna

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Recover as much product as possible for reuse. Dispose within RCRA regulations C40CFR 260 to CFR271
CONTAINER DISPOSAL	Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container reinstatement must be disposed of in compliance with applicable regulations.

14. TRANSPORTATION INFORMATION

HAZARD LABEL	
EXPORT	
DOT CFR 172 101 DATA	Not Regulated
UN PROPER SHIPPING NAME	Not Regulated
UN CLASS	UN 3257
UN NUMBER	
UN PACKAGING GROUP	
FLASH POINT	Not Applicable
HAZARDOUS MATERIAL	Not Regulated
MARINE POLLUTANT	No
SPECIFIC PRECAUTIONS FOR USER	Appropriate advice on safety should accompany the package.

15. REGULATORY INFORMATION

WHIMIS CLASSIFICATION: Not regulated

Canada:	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
USA:	TSCA 12 (b): This product is not subject to export notification. OSHA: This material is considered hazardous under OSHA Hazard Standard (29CFR 1910.1200). CERCLA: Not Regulated. SARA EHS Chemical (40 CFR 355.30) Not Regulated EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10): Acute Health Hazard EPCRA SECTION 313 (40 CFR 372.65): To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute. OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119): Not Regulated

16. OTHER INFORMATION

	HMIS hazard ID: 0-MINIMAL; 1-SLIGHT; 2-MODERATE; 3-SERIOUS; 4-SEVERE		NFPA hazard ID: 0-MINIMAL; 1-SLIGHT; 2-MODERATE; 3-SERIOUS; 4-SEVERE
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KEY	NA: No applicable information found or available CAS#: Chemical Abstracts Service Number ACGIH: American Conference of Governmental Industrial Hygienists OSHA: Occupational Safety and Health Administration TLV: Threshold Limit Value PEL: Permissible Exposure Limit STEL: Short Term Exposure Limit NTP: National Toxicology Program IARC: International Agency for Research on Cancer R: Risk S: Safety LD50: Lethal Dose 50%
PREPARED BY	CRC COATINGS TECHNOLOGIES, INC.™
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Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, however, each user should review these recommendations.