



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCES AND OF THE COMPANY

PRODUCT NAME	950 Dewatering Agent		
PRODUCT USE	Solidification of fly ash slurry		
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

GHS CLASSIFICATION: Flammability 5, Reactivity 5, Health 3

ROUTE OF ENTRY	Skin, eye,
CARCINOGENIC STATUS	Not carcinogenic
TARGET ORGANS	Eye, respiratory system
HEALTH EFFECTS – EYE	Slightly hazardous irritant
HEALTH EFFECTS – SKIN	Slightly hazardous irritant
HEALTH EFFECTS – INGESTION	Slightly hazardous irritant of mouth, throat and digestive track
HEALTH EFFECTS - INHALATION	Slight respiratory irritation

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Sodium salt of acrylic acid polymer (100%), crosslinked

## 4. FIRST AID MEASURES

FIRST AID – INHALATION	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
FIRST AID – SKIN	Wash thoroughly with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
FIRST AID – EYE	Check for and remove any contact lenses. Immediately wash affected eye for at least 15 minutes under running water with eyelids held open. Cold water may be used. Get medical attention if irritation occurs.
FIRST AID – INJECTION	Rinse mouth and then drink plenty of water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

### INFORMATION FOR DOCTOR

Most important symptoms and effects, both acute and delayed.  
No further relevant information  
Indications of any immediate medical attention and special treatment needed.  
No further relevant information available.

Note: First aid instruction is applied for dry material and for material in contact with liquid (in gel form) except inhalation that is not applicable for gel form.

## 5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY	None
EXTINGUISHING MEDIA	N/A
SPECIAL HAZARDS OF PRODUCT	N/A
PROTECTIVE EQUIPMENT FOR FIRE FIGHTING	N/A
EXPLOSION DATA – SENSITIVITY TO IMPACT	N/A
EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE	N/A

## 6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES	Sweep up or vacuum up spillage and collect in suitable container for disposal
PERSONAL PRECAUTIONS	Extremely slippery when wet. Breathing protection is recommended.
ENVIRONMENTAL PRECAUTIONS	After dilution with water does not constitute hazard – except for increasing alkalinity in waterways

### 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	Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as acids.
STORAGE	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store in cool dry place.

### INFORMATION ABOUT PROTECTION AGAINST EXPLOSION AND FIRE

Not a fire hazard.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES	Components with workplace control parameters : A safe working level of 0,05 mg/m <sup>3</sup> has been established for respirable superabsorbent polymer dust (particle size under 10 microns).
RESPIRATORY PROTECTION	Breathing protection if dust are formed
HAND PROTECTION	Does not apply.
EYE PROTECTION	Safety glasses with side-shields
BODY PROTECTION	Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.
PROTECTION DURING APPLICATION	Do not breathe dust or fumes.
PROTECTIVE EQUIPMENT	Gloves. Lab coat. Dust respirator. Be sure to use an approved / certified respirator or equivalent. Safety glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Powder
ODOUR & APPEARANCE	Odorless, off-white
ODOR THRESHOLD (ppm)	N/A
SPECIFIC GRAVITY	0.6 g/cm <sup>3</sup>
VAPOR DENSITY (AIR = 1)	NA
VAPOR PRESSURE 20 C	ND
EVAPORATION RATE	None
BOILING POINT (°C)	ND well over 120°C
FREEZING POINT	Solid at room temperature
pH	4.9 – 6.5
COEFFICIENT OF WATER/OIL DISTRIBUTION	ND
SOLUBILITY IN WATER	Insoluble, only capable of swelling (20°)
VOC (g/l)	0
FLASH POINT (PMCC) (°C/F)	No flash point
UPPER FLAMMABLE LIMIT %VOL	N/A
LOWER FLAMMABLE LIMIT %VOL	N/A
AUTOIGNITION TEMP (°C)	N/A
BULK DENSITY	Approx. 600 Kg/m <sup>3</sup>

## 10. STABILITY AND REACTIVITY

STABILITY	The product is stable.
CONDITIONS TO AVOID	Reacts with acids to form carbon dioxide. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.
MATERIALS TO AVOID	Incompatible materials, Moisture. Stable in dry air, but slowly decomposes in moist air.
HAZARDOUS POLYMERIZATION	Will not occur. Decomposition above 200 Celsius
HAZARDOUS DECOMPOSITION PRODUCTS	None under normal processing
CORROSIVITY	Non-corrosive in presence of glass.
SPECIAL REMARKS ON CORROSIVITY	Not available.

## 11. TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE	May cause severe irritation to nose, throat and respiratory tract
EFFECTS OF CHRONIC EXPOSURE	Chronic skin exposure may cause dermatitis.
IRRITANCY	Non-irritant (Method: OECD 404)
SENSITISATION	0/20 No sensitization (Method: OCDE n°406 ).
CARCINOGENICITY	None expected
REPRODUCTIVE TOXICITY	N/D None expected
TERATOGENICITY	N/D None expected
MUTAGENICITY	N/D None expected
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	N/D None expected
LD50/oral/rat	2000 mg/kg
LD50/dermal/rat	> 2000 mg/kg

**12. ECOLOGICAL INFORMATION**

ECOTOXICITY	Toxicity to fish: OECD Guideline 203 static. Brachydanio rerio/LC50 (96h): >100 mg/l Aquatic invertebrates: OECD Guideline 202, part 1 static. Daphnia magna/EC50 (48h): >100 mg/l Aquatic plants: OECD Guideline 201. Desmodesmus subspicatus/EC50 (72h): >100 mg/l Microorganisms/Effect on activated sludge: The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. Soil living organisms: OECD Guideline 207. Eisenia foetida/LC50: >1.000mg/Kg
PERSISTENCE / DEGRADABILITY	The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.
MOBILITY	Not mobile
BIO-ACCUMULATION	Not expected to bio-accumulate. Insoluble.
ADDITIONAL INFORMATION	Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based in the present state of knowledge. Do not release untreated into natural waters, The ecotoxic effect of the product has not been tested. The information on this way derived from products of similar structure or composition.

RESULTS of PBT and vPvB Assessment

PBT: N/A

vPvB: N/A

**13. DISPOSAL CONSIDERATIONS**

PRODUCT DISPOSAL	Must be dumped or incinerated in accordance with local regulations. A waste code in accordance with the European waste catalog (EWC) cannot be specified, due to dependence on the usage. Observe national and local legal requirements.
CONTAMINATED PACKAGING	Undamaged packaging may be responsibly reused after proper cleaning. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

**UNCLEANED PACKAGING**

Recommendation: Disposal must be made according to official regulations



**14. TRANSPORTATION INFORMATION**

HAZARD LABEL	Not classified as hazardous under transport regulations (ADR RID ADNR IMDG/GGV See ICAO/IATA).
EXPORT	No
DOT CFR 172 101 DATA	Not required
UN PROPER SHIPPING NAME	
UN CLASS	
UN NUMBER	None Not regulated
UN PACKAGING GROUP	
FLASH POINT	N/A
HAZARDOUS MATERIAL	Not considered hazardous material
MARINE POLLUTANT	None
ENVIRONMENTAL HAZARDS	This product does not meet criteria for an environmentally hazardous mixture according to IMDG code
SPECIFIC PRECAUTIONS FOR USER	None
TDG CLASSIFICATION	None, not regulated

**15. REGULATORY INFORMATION**

Labelling according to Directive 1999/45/EEC: The product does not require a hazard warning label in accordance with EC Directives.
Federal and State Regulations: TSCA 8(b) inventory: Sodium bicarbonate
Other Regulations: Not available.
WHMIS CLASSIFICATION: Not controlled under WHMIS (Canada).
CEPA STATUS (DSL): This product is not classified according to the EU regulations. Not applicable.

**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	
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% LC50: Lethal Concentration 50%		
PREPARED BY		CRC COATING TECHNOLOGIES INC.™	
SDS REVISION DATE		November 15, 2023	

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. The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our products must take responsibility for observing existing laws and regulations.