



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCES AND OF THE COMPANY

PRODUCT NAME	CRC 1120 Cool Roof		
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

 <small>GHS07</small>	 <small>GHS08</small>	GHS CLASSIFICATION: Flammability 5, Reactivity 5, Health 3
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ROUTE OF ENTRY	Inhalation, skin contact,
CARCINOGENIC STATUS	Respirable crystalline quartz is a suspected human carcinogen, ACGIH Group A2
TARGET ORGANS	Lungs, Skin,
HEALTH EFFECTS – EYE	May cause eye irritation.
HEALTH EFFECTS – SKIN	May cause skin irritation.
HEALTH EFFECTS – INGESTION	Irritation of mouth, throat and digestive tract
HEALTH EFFECTS - INHALATION	Prolonged or repeated exposure to fine airborne crystalline silica dust may cause severe scarring of the lungs, a disease called silicosis. Silicosis may occur in varying degrees from minimal to severe. In cases significant and increasingly severe respiratory impairment develops. High vapor concentration may produce nausea, vomiting, headaches, dizziness, unconsciousness, asphyxia resulting in peripheral central nervous system effects

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients are proprietary

4. FIRST AID MEASURES

FIRST AID – INHALATION	Remove from exposure. If there is difficulty in breathing, give oxygen. Obtain medical attention immediately.
FIRST AID – SKIN	Immediately flood the skin with large quantities of water, preferably under a shower. Obtain medical attention if blistering occurs or redness persists.
FIRST AID – EYE	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
FIRST AID – INJECTION	Rinse mouth out with water.

INFORMATION FOR DOCTOR Most Important symptoms and effects, both acute and delayed <ul style="list-style-type: none"> May cause respiratory tract irritation. May be harmful if inhaled. May be harmful if absorbed through the skin. May be harmful if swallowed. Indications of any immediate medical attention and special treatment needed. <ul style="list-style-type: none"> Treat symptomatically.
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5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY	Non-flammable. Will not support combustion.
EXTINGUISHING MEDIA	Non-flammable.
SPECIAL HAZARDS OF PRODUCT	NA
PROTECTIVE EQUIPMENT FOR FIRE FIGHTING	NA
EXPLOSION DATA – SENSITIVITY TO IMPACT	NO
EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE	YES

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES	Dam to prevent spreading. Transfer into sealed containers for recovery or disposal.
PERSONAL PRECAUTIONS	Wear NIOSH approved cartridge mask, organic vapour type, gloves, and eye protection. Mist contains silica (quartz).
ENVIRONMENTAL PRECAUTIONS	Stable in environment. Not toxic to wild life.

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	Use in well-ventilated area. Use local exhaust ventilation. Avoid inhaling vapours. Avoid contact with eyes, skin and clothing.
STORAGE	Store in a cool environment. DO NOT FREEZE.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSION AND FIRE

Keep ignition sources away – Do not Smoke
 Protect against electrostatic charges

SPECIFIC END USE(S)

No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES	Local ventilation. If mist develops during application, mechanical ventilation should be used to reduce quartz level to below TLV recommended.
RESPIRATORY PROTECTION	Wear NIOSH approved cartridge mask, organic vapor type.
HAND PROTECTION	Gloves should be worn during all handling operations.
EYE PROTECTION	Monogoggles and face shield.
BODY PROTECTION	Clothing should cover body adequately to prevent exposure.
PROTECTION DURING APPLICATION	Venting or respiration equipment may be required when working in confined spaces. After installation and drying, activities such as grinding, sawing or tear-out of material may cause dust concentration to be above the TLV limit for crystalline quartz.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
ODOUR & APPEARANCE	Pungent, various colors
ODOR THRESHOLD (ppm)	NA
SPECIFIC GRAVITY	1.40 – 1.50
VAPOR DENSITY (AIR = 1)	ND
VAPOR PRESSURE 20° C	ND
EVAPORATION RATE	Water
BOILING POINT (° C)	100° C - 105° C
FREEZING POINT (° C)	-5° C - 0° C
pH	9 - 10
COEFFICIENT OF WATER/OIL DISTRIBUTION	Water Soluble
SOLUBILITY IN WATER	NA
VOC (g/l)	0
FLASH POINT (PMCC) (°C/F)	NA
UPPER FLAMMABLE LIMIT %VOL	NA
LOWER FLAMMABLE LIMIT %VOL	NA
AUTOIGNITION TEMP (°C/F)	NA

10. STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	Avoid excessive heating over long periods of time. DO NOT FREEZE.
MATERIALS TO AVOID	None known.
HAZARDOUS POLYMERIZATION	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	NA

11. TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE	NA - No known acute toxicity.
EFFECTS OF CHRONIC EXPOSURE	Repeated inhalation of concentrated free silica dust may cause delayed lung injury (silicosis).
EXPOSURE LIMITS	0.05 mg/m ³ Respirable quartz dust.
IRRITANCY	Mild irritation expected
SENSITIZATION	Unlikely.
CARCINOGENICITY	The International Agency for Research on Cancer has concluded that crystalline silica in the form of quartz from occupational exposures should be classified as carcinogenic to humans (Group 1) The American Conference of Government Industrial Hygienists has given crystalline silica, quartz an A2 classification, suspected human carcinogen. Simultaneous exposure to known carcinogens can increase carcinogenicity of crystalline silica.
REPRODUCTIVE TOXICITY	NA
TERATOGENICITY	NA
MUTAGENICITY	NA
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	NA

12. ECOLOGICAL INFORMATION

MOBILITY	Stable in environment.
PERSISTENCE/DEGRADABILITY	Non-biodegradable, generally non-toxic.
BIO-ACCUMULATION	Product does not bioaccumulate.
ECOTOXICITY	Not toxic to wild life.

RESULTS of PBT and vPvB Assessment

PBT: N/A

vPvB: N/A

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Non-reactive. Transfer into non-dusting, sealed containers for recovery or disposal. Dispose of in an approved landfill site. Contact local authorities for disposal approval.
CONTAINER DISPOSAL	Dispose of in accordance with federal, provincial, state or local regulations

UNCLEANED PACKAGINGS

Recommendation: Disposal must be made according to official regulations



14. TRANSPORTATION INFORMATION

CANADA	TDG CLASSIFICATION
HAZARD LABEL NOT REQUIRED	Not Regulated
EXPORT	
DOT CFR 172.101 DATA	Not Regulated by D.O.T. as a hazardous substance.
UN PROPER SHIPPING NAME	NA
UN CLASS	NA
UN NUMBER	NA
UN PACKAGING GROUP	NA
FLASH POINT	NA
HAZARDOUS MATERIAL	NA
HAZARD LABEL	NA
MARINE POLLUTANT	NO
SPECIFIC PRECAUTIONS FOR USER	N/A

15. REGULATORY INFORMATION

<p>WHMIS CLASSIFICATION: CLASS D, DIV.2, SUBDIVISION A-Very Toxic Material : CLASS D, DIV.2, SUBDIVISION B-Toxic Material</p>
<p>CEPA STATUS (DSL): All of the ingredients of this product are listed on the Domestic Substances List.</p>
<p>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.</p>

16. OTHER INFORMATION

	<p>HMIS hazard ID:</p> <p>5-MINIMAL; 3-MODERATE; 2-SERIOUS; 1-SEVERE *-Chronic health effect</p>		<p>NFPA hazard ID:</p> <p>0-MINIMAL; 1-SLIGHT; 2-MODERATE; 3-SERIOUS; 4-SEVERE</p>
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KEY	<p>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%</p>
PREPARED BY	CRC COATINGS TECHNOLOGIES INC.™
SDS REVISION DATE	May 11, 2023

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