



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

TRADE NAME	VEXTRON ROOF COATINGS - FINISH D2A, D2B		
PRODUCT USE	VEXTRON ROOF COATINGS is a family of water-based acrylic elastomeric waterproofing membrane with exceptional water resistance while allowing suitable water vapour transmission. Bonds tenaciously to Bituminous Asphaltic and Roll roofing, Urethane and Polystyrene Foam, Concrete, Steel and Wood.		
MANUFACTURE'S NAME	Synergy Building Technologies 4500 Park Granada Calabasas, CA 91302	TEL (805) 457-9019 FAX 323-800-5393	Synergy Building Technologies 4500 Park Granada Calabasas, CA 91302
EMERGENCY NUMBER	613-996-6666 or *666 CANUTEC 1-800-535-5053 UNITED STATES POISON INFORMATION CENTRE		

2. HAZARDS IDENTIFICATION

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 severe 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.
5-MINIMAL; 4-SLIGHT; 3-MODERATE; 2-HIGH; 1-EXTREME	

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS NUMBER	WEIGHT %	TLV Mg/m ³	LD50 ORAL RAT Mg/kg	LC50 INHAL RAT ppm
CALCIUM CARBONATE (0.1 – 1.0% QUARTZ)	1317-65-3	15 – 40 1 – 5	0.05*	NA	NA
SILICA, CRYSTALLINE QUARTZ (Respirable Fraction)	14808-60-7		0.05* *	NA	NA
ETHYLENE GLYCOL (1,2-Ethandiol)	107-21-1	1 – 5	NA	4700	10,900

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 – INGESTION	Rinse mouth out with water.

INFORMATION FOR DOCTOR:
Most important symptoms and effects, both acute and delayed.
 No further relevant information available.

Indications of any immediate medical attention and special treatment needed
 No further relevant information available

5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY	Non-flammable. Will not support combustion.
EXTINGUISHING MEDIA	NA
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 EXPLOSIONS AND FIRES:

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)	NA
VAPOR PRESSURE 20° C	17 mmHg
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	Labels should not be removed from containers until they have been cleaned. Empty containers may contain hazardous residues. Dispose of containers with care.

UNCLEANED PACKAGING
Recommendation: Disposal must be made according to official regulations

14. TRANSPORTATION INFORMATION

CANADA	TDGCLASSIFICATION
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

	
WHMIS CLASSIFICATION: CLASS D, DIV.2, SUBDIVISION A-Very Toxic Material : CLASS D, DIV.2, SUBDIVISION B-Toxic Material	
CEPA STATUS (DSL): All of the ingredients of this product are listed on the Domestic Substances List.	
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.	

16. OTHER INFORMATION

HAZARD RATING (HMIS)	HEALTH: 3 FLAMMABILITY: 5 REACTIVITY: 5 5-MINIMAL; 4-SLIGHT; 3-MODERATE; 2-HIGH; 1-EXTREME
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:	Synergy Building Technologies

SDS REVISION DATE	May 11, 2023
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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.