SUEDE

By Sabal Green Group

Part 01: Suede Microceramic

1.1 DESCRIPTION

Suede Microceramic is an innovative cementitious waterproofing membrane system comprising of cement, fine-grained quartz, and colored ceramic microspheres for use in or out of water for all applications, creating an impermeable surface providing waterproof protection. Suede Microceramic will adhere to most surfaces, is resistant to most chemicals, and corrosive agents, and can withstand a high degree of movement while maintaining its integrity. Suede Microceramic is a liquid and compound mix design, available in 3.0l resin and 12kg bags (approximate coverage is one 1/16" coat of 80 sq ft) and available in 18 colors. Suede Microceramic is job site ready.

2.1 APPLICATIONS

WATERPROOFING, RENOVATION, AND BEAUTIFICATION OF:

Decorative waterproof coating, swimming pools, water features, ICF, EPS (Expanded Polystyrene), CMU wall (Concrete Masonry Unit), patios, interior or exterior walls, floors, ceilings, roofs, tiles, buildings, coping, and more.

A. TOOLS

- Suede Microceramic can be applied by Lexan Trowel, Roller (1/4" nap), Squeegee, and Spray.

B. THICKNESS

- Apply the membrane coating 1/16" thick for a semi-waterproofing or 1/8 "thick to achieve a fully waterproof covering.

C. SPECIAL APPLICATIONS

- Suede Base can be used as a first layer to fill voids and build up existing substrates and create a smooth surface foundation. Suede Base can be built up in 2-inch increments down to a feathered edge.
- Suede Microceramic should be applied to a surface and then 'worked' minimally, typically using three or four trowel passes followed by a light pass of a squeegee trowel to remove tooling marks (as Suede cures a light hand sanding with 100 grit emery cloth can remove any remaining tool marks, bumps, and imperfections).

D. HORIZONTAL APPLICATIONS

- It is possible to apply 1/8th" thickness in one pass for large horizontal applications. Additionally, it is also possible to trowel 1/8th" vertically in one pass.

E. PREPARATION TEXTURE

- Suede Base should cure for 24 hours before applying the Suede Microceramic finish, let cure 72 hours before submersion. Ambient temperature, Indoor/Outdoor will extend or accelerate cure times. During preparation, apply Suede Base as smoothly as possible. While it cures, many professionals use a high-quality tile sponge, lightly dampened with Suede resin, to gently wipe away ridges and tooling marks. This also helps to float and fill small divots and other surface imperfections. No 'Plaster Start Up' is required.

F. HIGH TRAFFIC AREAS

- For high-traffic areas or areas of aesthetic concern, many applicators apply (2) coats of clear sealer on top of the cured Suede finish. This is not necessary for normal conditions or swimming pools, but our applicators have found this to be preferential for high traffic and higher end visible surfaces where staining can be of concern.

2.3 COVERAGE

Coverage is approximate for one coat– **do not add water to the mix.**

SUEDE BASE

A. TROWEL

- 1.75 gallons resin & 1x 50lb bag = 40–50 sq ft @ 1/8"

B. ROLLER

- 5 gallons resin & 3 x 50 lb bags = 450-500 sq ft @ 1/16"

C. SQUEEGEE

- 5 gallons resin & 3 x 50 lb bags = 450-500 sq ft @ 1/16"

D. SPRAY

- 5 gallons resin & 3 x 50 lb bags = 400-500 sq ft @ 1/16"

SUEDE

3.0L & 12KG BAG = 80 SQ FT OF COVERAGE @ 1/16" total thickness

2.4 SUBSTRATE PREPARATION

A. INITIAL INSPECTION

- Inspect job sites. Determine if any previous material used is incompatible with Suede.

B. PREPARING SITE

- Remove all previous material and any loose debris. Check and repair any shrinkage cracks or voids with Suede Base AND fiber mesh. Once the site is clean and clear of any old material, loose debris, cracks, dusting, etc., pressure wash for final preparation. Protect adjacent areas to prevent material from going beyond the designated site.

C. SUBSTRATE SURFACE PREPARATION

- Begin with an SSD (Saturated Surface Dry) substrate that is damp below the immediate surface, has no standing water, and has a surface that is showing no signs of a "film" of water on the surface. Ideally, the concrete will be damp (typically much darker than dry concrete) but the surface will have no water present and will show "signs" of drying.

2.5 TEMPERATURE & WEATHER FACTORS

A. PRODUCT LIMITATIONS

- Do not allow the Suede SYSTEM to freeze or overheat- beyond 120 degrees fahrenheit.

B. SITE TEMPERATURE

- Do not apply the Suede SYSTEM to a frozen substrate or in conditions hotter than 105 degrees fahrenheit or colder than 40 degrees fahrenheit. Check local weather for temperature variations or precipitation that will affect your application.

2.6 MIXING INSTRUCTIONS

Mix on site using a 5-gallon pail and a Paint/Mud Mixing Auger type bit. Blend the product according to the manufacturer's instructions on the product label. Keep products out of the direct sun. Allow the product to false set (approximately 5 minutes) and re-mix. Pot life is approximately 30 minutes depending on the temperature and humidity. For Suede Base use a mix ratio depending on the application method and for Suede use described product mixing ratio.

A. SPECIAL NOTE

- Use Suede liquid to retemper or change the consistency of the mix. This may affect the color.
- Do not add water to the mix.

B. CLEAN UP AFTER MIXING

- Clean all tools and spills immediately with clean water.

2.7 COLD JOINTS AND CRACKS

Use SuedeBase and Fiber Mesh to build rounded coves in any corners where desired then coat with Suede MicroCeramic. All cold joints, and minimal cracks should be detailed with SuedeBase and Fiber Mesh then coated with Suede MicroCeramic. For structural cracking, we recommend the use of TorqueStitch.

3.1 HANDLING AND STORAGE

Keep Suede products off the ground. Keep dry and out of direct sun/heat/cold.

4.1 STANDARDS

A. IMPACT STRENGTH 19 LBS / 8.6 KG

B. COMPRESSIVE STRENGTH 7050 PSI / 48.61 MPA

C. TENSILE STRENGTH 732 PSI / 5.05MPA

D. FLEXURAL STRENGTH 2380 PSI / 16.41 MPA

E. ADHESIVE STRENGTH

- Concrete : 1372 psi / 9.46 MPa
- Steel: 1144 psi/7.89MPa

F. SHEAR BOND ADHESION 720 PSI / 4.96 MPA

G. ASTME96 –VAPOR TRANSMISSION

H. ASTM C321 – BOND STRENGTH

I. ASTMC672–FREEZE-THAW

J. ASTM D4541.02 – PULL-OFF TEST

RESISTANCE TO THE MOST COMMON STAINING AGENTS:

AGENT	CONTACT TIME 30 MIN / 24 HOURS		
Water	excellent/excellent	**Bleach**	excellent/good
Vinegar	excellent/good	**Neutral detergents**	excellent/excellent
Citric acid 10%	excellent/excellent	**Ketchup**	excellent/excellent
Hydrogen peroxide 10%	excellent/excellent	**Mascara**	excellent/excellent
Denatured alcohol	excellent/good	**Olive oil**	excellent/excellent
Ammonia	excellent/excellent	**Water-based markers**	excellent/good
Descaler	excellent/good	**Permanent markers**	poor/poor
Coffee	excellent/excellent	**Red wine**	excellent/excellent

RESULTS INDICATIONS

EXCELLENT - No streaks or spots are observed
GOOD - Appearance of light, barely visible halos
POOR - Appearance of obvious halos or spots

CHEMICAL PRODUCT / TEST CONCENTRATES

RESULTS AFTER 24 HOURS OF CONTACT / RESULTS AFTER 48 HOURS OF CONTACT

1. Sulfuric acid (commercial concentration 37%) / 10% - No visible degradation / No visible degradation
2. Chloridric acid (commercial concentration 23%) / 10% - No visible degradation / No visible degradation
3. Bleach (commercial concentration 15%) / 15% - No visible degradation / No visible degradation
4. Salt / 100 g / l - No visible degradation / No visible degradation
5. Hydrogen peroxide (350 g / kg of hydrogen peroxide) / 35 g / l of hydrogen peroxide - No visible degradation / Slight whitening
6. Chlorine tablet (960 g / kg of trichloroisocyanuric acid) / 100 g / l in trichloroisocyanuric acid - No visible degradation / No visible degradationKeep Suede products off the ground. Keep dry and out of direct sun/heat/cold.

Freeze / Thaw (after cured) - No visible degree of degradation

5.1 COLORS

STANDARD STOCKED COLORS:

SPECIAL ORDER COLORS:

SUEDE

By Sabal Green Group

Part 02: Suede Base

1.1 DESCRIPTION

Suede Base is a wearable surface waterproofing & bond coat / underlayment / micro topping and is specified for use with Suede Microceramic as a foundation coat for the Suede Microceramic system. Suede Base can also be used in all applications where a solid and durable waterproof barrier is required. Suede Base will adhere to most surfaces, is resistant to most chemicals and corrosive agents, and can withstand a high degree of movement while maintaining its Integrity. Suede Base is a liquid and compound mix design available In its mixing ratio of a 5-gallon pail of resin and three 50-lb bags of dry compound. Suede Base is job site ready.

2.1 APPLICATIONS

WATERPROOFING, RENOVATION, AND BEAUTIFICATION OF:

Decorative waterproof coating, swimming pools, water features, ICF, EPS (Expanded Polystyrene), CMU wall (Concrete Masonry Unit), patios, interior or exterior walls, floors, ceilings, roofs, tiles, buildings, coping, and more.

2.2 APPLICATION METHODS

A. TOOLS

- Suede Base can be applied by Trowel, Roller, Brush, Squeegee, or Sprayed

B. THICKNESS

- Apply the membrane coating 1/16" thick for a semi-waterproofing or 1/8 "thick to achieve a fully waterproofed bond coat.

C. SPECIAL APPLICATIONS

- Suede Base can be used as a first layer to fill voids and build up existing substrates and create a smooth surface foundation. It can be built up in 2-inch increments down to a feathered edge.

D. HORIZONTAL APPLICATIONS

- It is possible to apply 1/8th" thickness in one pass for large horizontal applications. Additionally, it is also possible to trowel 1/8th" vertically in one pass.

E. PREPARATION TEXTURE

- Let Suede Base cure for 24 hours before applying Suede Microceramic finish over Suede Base and let cure 72 hours before submersion. Ambient temperature, Indoor/Outdoor will extend or accelerate cure times. During preparation, apply Suede Base as smoothly as possible. While it cures, many professionals use a high-quality tile sponge, lightly dampened with Suede resin, to gently wipe away ridges and tooling marks. This also helps to float and fill small divots and other surface imperfections.

2.3 COVERAGE

Coverage is approximate for one coat. The slump can be adjusted to accommodate specific job requirements by adjusting the liquid resin or the compound – **do not add water to the mix.**

A. TROWEL

- 1.75 gallons resin & 1x 50lb bag = 40–50 sq ft @ 1/8"

B. ROLLER

- 5 gallons & 3 x 50lb bags = 450-500 sq ft @ 1/16"

C. SQUEEGEE

- 5 gallons & 3 x 50lb bags = 450-500 sq ft @ 1/16"

D. SPRAY

- 5 gallons & 3 x 50lb bags = 400-500 sq ft @ 1/16"

2.4 SUBSTRATE PREPARATION

A. INITIAL INSPECTION

- Inspect job sites. Determine if any previous material used is incompatible with Suede Base.

B. PREPARING SITE

- Remove all previous material and any loose debris. Check and repair any shrinkage cracks or voids with Suede Base repair mortar and fiber mesh. Once the site is clean and clear of any old material, loose debris, cracks, dusting , etc., pressure wash for final preparation. Protect / Mask adjacent areas to prevent material from going beyond the designated site.

C. SUBSTRATE SURFACE PREPARATION

- Begin with an SSD (Saturated Surface Dry) substrate that is damp below the immediate surface, has no standing water, and has a surface that is showing no signs of a "film" of water on the surface. Ideally, the concrete will be damp (typically much darker than dry concrete) but the surface will have no water present and will show "signs" of drying. SSD is not required for applying additional coats, only the initial coating placed on cementitious surfaces requires SSD.

2.5 TEMPERATURE & WEATHER FACTORS

A. PRODUCT LIMITATIONS

- Do not allow Suede Base to freeze or overheat beyond 120 degrees fahrenheit

B. SITE TEMPERATURE

- Do not apply Suede Base to a frozen substrate or in conditions hotter than 105 degrees fahrenheit or colder than 40 degrees fahrenheit. Check local weather for temperature variations or precipitation that may affect your application.

2.6 MIXING INSTRUCTIONS

Mix on-site using 5-gallon pails and a paddle mixer. Blend the product according to the manufacturer's instructions on the product label. Keep products out of the direct sun. Allow the product to false set (approximately 5 minutes) and re-mix. Pot life is approximately 30 minutes depending on the temperature and humidity. Suede Base may be re-tempered by adding small amounts of liquid resin. Use a mix ratio depending on the application method it may be mixed stiffer.

A. SPECIAL NOTE

- Use Suede Base liquid to change the consistency of the mix.
- Do not add water to the mix.

B. CLEAN UP AFTER MIXING.

- Clean all tools and spills immediately with clean water.

2.7 COLD JOINTS AND CRACKS

Use Suede Base and Fiber Mesh to build rounded coves in any corners where desired then coat with Suede Microceramic. All cold joints, and minimal cracks should be detailed with Suede Base and Fiber Mesh then coated with Suede Microceramic. For structural cracking, we recommend the use of TorqueStitch.

3.1 HANDLING AND STORAGE

Keep Suede Base products off the ground. Keep dry and out of direct sun/heat/cold.

4.1 STANDARDS

A. IMPACT STRENGTH

- 19 lbs / 8.6 kg

B. COMPRESSIVE STRENGTH

- 7050 psi / 48.61 MPa

C. TENSILE STRENGTH

- 732 psi / 5.05MPa

D. FLEXURAL STRENGTH

- 2380 psi / 16.41 MPa

E. ADHESIVE STRENGTH

- Concrete : 1372 psi / 9.46 MPa
- Steel: 1144 psi/7.89MPa

F. SHEAR BOND ADHESION

- 720 psi / 4.96 MPa

G. ASTME96

- Vapor Transmission

H. ASTM C321

- Bond Strength

I. ASTMC672

- Freeze-Thaw

J. ASTM D4541.02

- Pull-Off Test

Seam Strength, ASTM D751-06	COMPLIED
	33.15 (lbs./2-inch width)

Breaking Strength, ASTM D751-06		COMPLIED
	Transverse	Longitudinal
	181.8 psi	199.1 psi

Dimensional Stability, ASTM D1204-2008			COMPLIED
	+158 F	Transverse	-0.018
	(70C)	Longitudinal	-0.055
	-15 F	Transverse	-0.16
	(-26C)	Longitudinal	-0.039

Waterproofness, ASTM D4068-1999	COMPLIED

Shear Strength, ASTM C482-2022		COMPLIED
	Ultimate Load (lbs)	2145.05
	Shear Strength (psi)	143.0

Fungus and Micro-Organism Resistance, ANSI A118.10-2014	COMPLIED

Accelerated Aging, ASTM D 756-93

Weatherometer, ASTM G155	PASS
	No Crazing, cracking, spalling, or other surface deteriorations

Freeze-Thaw, ASTM C 67	PASS

Bond-strength, ASTM C 297		PASS
	Control	116 (psi)
	After Accelerated Aging	370 (psi)
	After Freeze-Thaw	423 (psi)

Abrasion, ASTM C501 / C957	**PASS**
Percolation, AC39 / ASTM E96	**PASS**
	0.1
Water-absorption, ASTM D 570	**PASS**
	10.1 (% wt.)
Chemical-resistance, ASTM d 2299	**PASS**
Concentrated Load, AC39 4.12	**PASS**
	No tearing or cracking
Foot Traffic Resistance, FM 4470	**PASS**
	No tearing or cracking
NSF/ANSI/CAN 61	**PASS**
ASTM E-84	**PASS**
	CLASS A
Flame Spread Index (FSI)	0
Smoke Developed Index (SDI)	10

SUEDE MICROCERAMIC MANUFACTURED BY:

Sabal Green Group

Sabal Green Group
8255 Consumer Court
Sarasota, FL 34240

(941) 312-5142
info@SabalGreen.com

Safety Data Sheet

For Industrial Use Only

1

PRODUCT NAME: Suede Microceramic

PRODUCT TYPE: Acrylic Emulsion

MANUFACTURER:

Sabal Green Group
8255 Consumer Court
Sarasota, FL 34240
info@SabalGreen.com
(941) 312-5142

PRINT DATE: October 2021

For Emergency Medical Assistance call; Health & Safety Information Services: 1-866-303-6949

2 HAZARDS IDENTIFICATION

FORM: Liquid

OSHA/HCS STATUS: While this material is not considered hazardous by the OSHA Hazard Communication Standard {29 CFR 1910, 1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

EMERGENCY OVERVIEW: **NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.**

ODOR: Slight acryl ate

POTENTIAL ACUTE HEALTH EFFECTS

INHALATION: Exposure to airborne concentrations above statutory or recommended Exposure limits may cause irritation of the nose, throat and lungs.

INGESTION: Not expected to be harmful under normal conditions of use.

SUEDE: May cause irritation with prolonged or repeated contact.

EYES: May cause eye irritation.

POTENTIAL CHRONIC HEALTH EFFECTS

CHRONIC EFFECTS:	No known significant effects or critical hazards.
CARCINOGENICITY:	No known significant effects or critical hazards.
MUTAGENICITY:	No known significant effects or critical hazards.
TERATOGENICITY:	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS:	No known significant effects or critical hazards.
FERTILITY EFFECTS:	No known significant effects or critical hazards. Review
TARGET ORGANS:	Section 2 and 11 for any additional assessments.

OVER-EXPOSURE SIGNS/SYMPTOMS

INHALATION:	No specific data.
INGESTION:	No specific data.
SUEDE:	No specific data.
EYES:	No specific data.
MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE:	None Known

See section 11 for more detailed information on health effects and symptoms.

3 COMPOSITION / INFORMATION ON INGREDIENTS

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, which are classified as hazardous to health or the environment and hence require reporting in this section.

4 FIRST AID MEASURES

EYE CONTACT:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
SUEDE CONTACT:	Flush contaminated Suede with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
INHALATION:	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms occur.

INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
NOTES TO PHYSICIAN:	**NO SPECIFIC TREATMENT. TREAT SYMPTOMATICALLY. CONTACT POISON TREATMENT SPECIALIST IMMEDIATELY IF LARGE QUANTITIES HAVE BEEN INGESTED OR INHALED.**

See section 11 for more detailed information on health effects and symptoms.

5 FIREFIGHTING MEASURES

FLAMMABILITY OF THE PRODUCT:	In a fire or if heated, an increase in pressure will occur and the container may burst.
EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
NON SUITABLE EXTINGUISHING MEDIA:	None known.
SPECIAL EXPOSURE HAZARDS:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
HAZARDOUS COMBUSTION PRODUCTS:	No specific data.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
ENVIRONMENTAL PRECAUTIONS:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

LARGE SPILL:

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

SMALL SPILL:

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7 HANDLING AND STORAGE

HANDLING:

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, Suede and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

STORAGE:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS: EXPOSURE LIMITS ARE LISTED BELOW, IF THEY EXIST.

EXPOSURE CONTROLS:	None
ENGINEERING MEASURES:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice for information on the design and use of exhaust systems.
HYGIENE MEASURES:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION:	Safety glasses with side-shields. Eye protection used must be compatible with any respiratory protection system employed.
SUEDE / HAND PROTECTION:	Neoprene gloves may provide protection against permeation.
RESPIRATORY PROTECTION:	None required under normal operating conditions. A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirators use.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE COLOR:	Liquid White milky
ODOR:	Mild
ODOR THRESHOLD:	No data available
PH:	8 – 10
BOILING POINT	100° C / 212° F
FLASH POINT:	Non combustible
FLAMMABILITY:	Not applicable
UPPER/LOWER EXPLOSION LIMIT:	Not applicable
VAPOR PRESSURE	No data available
RELATIVE DENSITY	1.01 – 1.03
WATER SOLUBILITY	Dilutable
AUTO IGNITION TEMPERATURE	Not applicable
PARTITION COEFFICIENT N-OCTANOL/WATER	Not available
VISCOSITY	Dynamic- 10 - 800 mPa's
TYPICAL % SOLIDS	46-50% (m)

10 STABILITY AND REACTIVITY

STABILITY:	The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
CONDITIONS TO AVOID:	Strong oxidizer.
MATERIALS TO AVOID:	No specific data.
HAZARDOUS DECOMPOSITIONPRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 STABILITY AND REACTIVITY

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS:	No known significant effects or critical hazards.
OTHER ADVERSE EFFECTS:	No known significant effects or critical hazards.

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:	The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14 TRANSPORT INFORMATION

DOT:	Not regulated for transport.
SEA TRANSPORT (IMO-IMDG0):	Not regulated for transport.
AIR TRANSPORT (IATA/ICAO):	Not regulated for transport.

This information is not intended to convey all specific regulatory requirements relating to this product. Additional information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws and regulations relating to the transportation of the material.

15 REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD;
This product is considered non-hazardous uner the OSHA Hazard Communication Standard (29CFR1910.1200).

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT 0F 1986 TITLE III SECT. 311 & 312
This product is not a hazardous chemical under 29CFR1910.1200, and therefore is not covered by title III of SARA.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT 0F 1986 TITLE III SECTION 313
This product does not contain a chemical which is listed in Section 313 at or above the minimum concentrations.

UNITED STATES TSCA INVENTORY
All components of this product are in compliance with the inventory listing requirements of the US Toxic Substances Control Act Chemical Substance Inventory.

16 OTHER INFORMATION

HAZARD RATING SYSTEM HMIS: **HEALTH: 1 | FLAMMABILITY: 0 | PHYSICAL HAZARD: 0**

PREPARED BY:	Product Safety & Regulatory Compliance Group
DATE OF PRINTING:	10-OCT-2021
VERSION:	1.1

NOTICE:
The information provided herein was believed by Sabal Green Group to be accurate at the time of preparation and prepared from sources believed to be reliable. However no warranty, express or implied, is given. Sabal Green Group recommends that every customer study this MSDS carefully and consult appropriate expertise as required becoming aware of and fully understanding the data contained in this MSDS and any hazards associated with this product. Regulatory requirements are subject to change and may differ between various locations. It is the responsibility of the buyer/user of this product to ensure that his activities comply with all federal, state, provincial or local laws.