

# MORE™ AntiEtch™ Treatment

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)



### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	MORE™ AntiEtch™ Treatment
Product Code	None

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Countertop Treatment
Uses Advised Against	None
Company Identification	MORE Surface Care, LLC 1077 Montague Avenue San Leandro, CA USA
Telephone	(844) 404-MORE (6673)
E-Mail (competent person)	steve@moresurfacecare.com & mark@moresurfacecare.com

**Emergency telephone number**

Emergency Phone No.	<b>Medical Emergency:</b> 1-800-222-1222; Not classified as dangerous for transport.
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	Repr. 2; Skin Sens. 1B; Skin Irrit. 2
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**Label elements**

Hazard Symbol



Signal word(s)

**WARNING**

Precautionary Statement(s)

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Avoid breathing, dust, fumes, gas, mist, vapours, spray.  
Wash hands and exposed skin after use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Contaminated work clothing should not be allowed out of the workplace.

IF INHALED: Not normally required. If symptoms occur obtain medical attention.  
IF ON SKIN: Wash affected skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Hazard Statement(s)

Causes skin irritation.  
May cause an allergic skin reaction.

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Suspected of damaging fertility or the unborn child.

### Other hazards

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	%W/W*	CAS No.	Hazard classification
Proprietary Acrylic Resin	80-90	Trade Secret	Skin Sens. 1B; H317 Aquatic Chronic 2; H411 Aquatic Acute 2; H401
Proprietary Photoinitiator blend	1-10	Trade Secret	Repr. 2; H361 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Additives	1-10	Trade Secret	Skin Irrit. 2; H315

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

\* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation

Get medical advice/attention if you feel unwell.

Skin Contact

Wash affected skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell.

### Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

### Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Water spray, dry powder or carbon dioxide.  
None anticipated.

### Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes. Wear protective gloves/eye protection/face protection. Avoid breathing mist/vapours/spray.
<b>Environmental precautions</b>	Avoid release to the environment. Prevent liquid entering sewers, basements and work pits.
<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

### SECTION 7: HANDLING AND STORAGE




<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Avoid breathing mist/vapours/spray. Avoid release to the environment.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage temperature	Keep in a well ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
-Incompatible materials	This product should be stored away from sources of strong heat and oxidizing chemicals. May polymerise on exposure to light.
<b>Specific end use(s)</b>	Countertop Treatment

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

-LTTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

<b>Recommended monitoring method</b>	None
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Not normally required.
<b>Personal protection equipment</b>	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.
	
Respiratory protection	Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.
	

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Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Avoid release to the environment.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Appearance	Liquid
Color	Light yellow
Odor	slightly acrylic
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	>93.33 (200 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	1.09
Solubility (Water)	Negligible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not available
Oxidizing properties	Not available
<b>Other information</b>	Not available

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials. Avoid unintentional UV exposure, including sunlight, white light, or ultraviolet light.
<b>Incompatible materials</b>	This product should be stored away from sources of strong heat and oxidizing chemicals. May polymerise on exposure to light.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

#### Information on toxicological effects

Proprietary Acrylic Resin:

<b>Acute toxicity</b>	LD50 (Oral): >2000 mg/kg-bw (rat) LD50 (Dermal): >2000 mg/kg-bw (rat)
<b>Irritation</b>	Unlikely to cause eye or skin irritation.

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**Sensitisation** May cause sensitization by skin contact.

**Repeated dose toxicity** Not to be expected.  
 NOAEL (Oral) = 1000 mg/kg-bw/day (rat)

**Toxicity for reproduction** Not to be expected.  
 NOAEL (PO, Oral) = 1000 mg/kg-bw (rat)  
 NOAEL (F1, Oral) = 1000 mg/kg-bw (rat)

**Carcinogenicity** No data.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Other information** None

Proprietary Photoinitiator blend:

**Acute toxicity** LD50 (Oral): >5000 mg/kg-bw (rat)  
 LD50 (Dermal): >2000 mg/kg-bw (rat)

**Irritation** Unlikely to cause eye or skin irritation.

**Sensitisation** It is not a skin sensitiser.

**Repeated dose toxicity** Not to be expected.  
 NOAEL (Oral) = 50 mg/kg-bw/day (rat)

**Toxicity for reproduction** Suspected of damaging fertility or the unborn child.

**Carcinogenicity** No data.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**SECTION 12: ECOLOGICAL INFORMATION**

**Substances in preparations / mixtures**

Proprietary Acrylic Resin:

**Ecotoxicity**

Short term LC50 (96 hour): 1.65 mg/l (*Danio rerio*)  
 LC50 (48 hour): 2.36 mg/l (*Daphnia magna*)  
 EC50 (72 hour): 1.6 mg/l (*Pseudokirchneriella subcapitata*)

Long Term Not available.

**Persistence and degradability**

Readily biodegradable.

**Bioaccumulative potential**

The product has low potential for bioaccumulation.

**Mobility in soil**

The product is predicted to have low mobility in soil.

**Results of PBT and vPvB assessment**

Not a PBT or vPvB

**Other adverse effects**

None known.

Proprietary Acrylic Resin:

**Ecotoxicity**

Short term LC50 (96 hour): 0.46 mg/l (*Danio rerio*)  
 LC50 (24 hour): >0.8 mg/l (*Daphnia magna*)

Long Term Not available.

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

The product has low mobility in soil.

**Results of PBT and vPvB assessment**

Not a PBT or vPvB

**Other adverse effects**

None known.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**SECTION 14: TRANSPORT INFORMATION**

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>		3082 *	3082 *
<b>Proper Shipping Name</b>	Not classified as dangerous for transport.	Environmentally hazardous substance, liquid, NOS (Tricyclodecane Dimethanol Diacrylate)	
<b>Transport hazard class(es)</b>		9	9
<b>Packing group</b>		III	III
<b>Environmental hazards</b>		Yes	Yes
<b>Special precautions for user</b>		None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

\*Note: Limited quantity provisions apply as this product is typically packaged/shipped in accordance with these provisions. Refer to applicable limited quantity provisions for appropriate markings/labelling and documentation/declarations.

**SECTION 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: See SECTION 2 - HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	-----	-----	-----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 11, 2018

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**Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:**

**Hazard Statement(s)**

- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H361: Suspected of damaging fertility or the unborn child.
- H400: Very toxic to aquatic life.
- H401: Toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

**Training advice:** None.

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## PREMIUM PLUS STONE SEALER

### SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

##### Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	PREMIUM PLUS STONE SEALER
Product Code	None

##### Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Stone Surface Sealant
Uses Advised Against	Do not aerosolize
Company Identification	MORE Surface Care, LLC 30506 San Antonio Street, Hayward, CA 94544, U.S.A.

Telephone	(844) 404-MORE (6673)
E-Mail (competent person)	steve@moresurfacecare.com & mark@moresurfacecare.com

##### Emergency telephone number

Emergency Phone No.	<b>Medical Emergency:</b> 1-800-222-1222; Not classified as dangerous for transport.
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#### SECTION 2: HAZARDS IDENTIFICATION

##### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Acute Tox. 4; STOT RE 2; Eye Irrit. 2
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##### Label elements

Hazard Symbol



##### WARNING

Signal word(s)

Hazard Statement(s)

Harmful if inhaled - Aerosol.  
May cause damage to organs through prolonged or repeated exposure:  
liver.  
Causes serious eye irritation.

Precautionary Statement(s)

Avoid contact with skin and eyes.  
Wear protective gloves/eye protection.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
IF INHALED: Get medical advice/attention if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water. If irritation (redness,  
rash, blistering) develops, get medical attention.





## PREMIUM PLUS STONE SEALER

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

### Other hazards

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

### Additional Information

Unlikely to be hazardous by inhalation unless present as an aerosol.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Water	85 - 95	7732-18-5	Not classified as dangerous for supply/use.
Isopropanol	1 - 5	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
2-Butoxyethanol	1 - 5	111-76-2	Flam. Liq. 4; H227 Acute. Tox. 4; H302, H312, H332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319
Proprietary mixture	1 - 5	Mixture	Acute Tox. 1; H330 STOT RE 2; H373 Aquatic Acute 3; H402 Aquatic Chronic 1; H410
Antimicrobial agent	< 1	Trade Secret	Acute Tox. 3; H301, H331 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell.



## PREMIUM PLUS STONE SEALER

**Most important symptoms and effects, both acute and delayed** None

**Indication of any immediate medical attention and special treatment needed** None

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.  
None anticipated.

#### Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

#### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear protective gloves/eye protection. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

#### Environmental precautions

Prevent liquid entering sewers, basements and work pits.

#### Methods and material for containment and cleaning up

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

#### Reference to other sections

None

#### Additional Information

None

### SECTION 7: HANDLING AND STORAGE

#### Precautions for safe handling

Avoid contact with skin and eyes. Wear protective gloves/eye protection. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

#### Conditions for safe storage, including any incompatibilities

-Storage temperature

Do not allow material to freeze. Keep container tightly closed, in a cool, well ventilated place.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

#### Specific end use(s)

Stone Surface Sealant

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits



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SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Isopropanol	67-63-0	400 ppm	200 ppm	500 ppm	400 ppm	-----
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	-----	-----	-----

-LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

**Recommended monitoring method**

NIOSH 1400 (Alcohols); NIOSH 1403 (Alcohols IV)

**Exposure controls**

**Appropriate engineering controls**

Not normally required.

**Personal protection equipment**

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Avoid release to the environment.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Appearance	Liquid
Color.	Colorless
Odor	Mild
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	~0 °C (similar to water)
Boiling point/boiling range (°C):	~100 °C (similar to water)
Flash Point (°C)	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	0.96 (8.01 lb/gal)
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available



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Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not available
Oxidizing properties	Not available
<b>Other information</b>	Not available

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	This product should be stored away from sources of strong heat or oxidizing chemicals.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

Isopropanol (CAS# 67-63-0):

<b>Acute toxicity</b>	Oral: LD50 = 5.84 g/kg (rat) Inhalation: LC50 > 1000 ppm (rat) 6 hour(s) Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s) May cause drowsiness or dizziness.
<b>Irritation/Corrosivity</b>	Irritating to eyes.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	NOAEL = 5,000 ppm (Inhalation) May cause drowsiness or dizziness.
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	Not available

Proprietary mixture (CAS # Mixture) By analogy with similar materials:

<b>Acute toxicity</b>	Oral: LD50:> 5000 mg/kg (rat) Dermal: LD50: >5000 mg/kg (rat) Inhalation (4 hr) Approximate Lethal Concentration: 0.047 mg/l (rat)
<b>Irritation/Corrosivity</b>	Non-irritant
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	Not available.
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.



## PREMIUM PLUS STONE SEALER

**Mutagenicity** Not available.  
**Toxicity for reproduction** Not available.

Antimicrobial agent (CAS# Trade Secret):

**Acute toxicity** Oral: LD50 = 269 mg/kg (rat)  
Inhalation: LC50 = 0.83 mg/l (rat) 4 hour(s)  
Dermal: LD50 > 2000 mg/kg (rat) 24 hour(s)

**Irritation/Corrosivity** Causes serious eye damage.  
**Sensitisation** It is not a skin sensitiser.

**Repeated dose toxicity** NOAEL = 0.5 mg/kg (Oral); 104 weeks  
NOAEL = 0.002 mg/l (Inhalation); 21 days

**Carcinogenicity** It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity** There is no evidence of mutagenic potential.  
**Toxicity for reproduction** Not to be expected. Studies in animals have shown that high exposures produce embryo/foetotoxic effects in the presence of maternal toxicity.

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity**

Isopropanol (CAS# 67-63-0):

Short term LC50 (96 hour): 10,000 mg/l (Fathead minnow (*Pimephales promelas*))  
LC50 24hour(s): >10,000 mg/l (*Daphnia magna*)

Long Term NOEC: 3.37 µmol/l (*Daphnia magna*) (Growth rate)

**Persistence and degradability**

Not available.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Not available.

**Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**Other adverse effects**

Not available.

Proprietary mixture (CAS # Mixture) By analogy with similar materials:

Short term LC50 (96 hour): >36.4 mg/l (*Oncorhynchus mykiss*)  
EC50 (48 hour): 16.2 mg/l (*Daphnia magna*)

Long Term NOEC (21day): 0.0467 mg/l (*Daphnia magna*)

**Persistence and degradability**

Not readily biodegradable.

**Bioaccumulative potential**

Not available.

**Mobility in soil**

Not available.

**Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**Other adverse effects**

Not available.

Antimicrobial agent (CAS# Trade Secret):

Short term LC50 (96 hour): 0.0026 mg/l (Fathead minnow (*Pimephales promelas*))  
LC50 24hour(s): 0.0082 mg/l (*Daphnia magna*)  
M-Factor = 100

Long Term NOEC: 3.37 µmol/l (*Daphnia magna*) (Growth rate)



## PREMIUM PLUS STONE SEALER

**Persistence and degradability**  
**Bioaccumulative potential**  
**Mobility in soil**  
**Results of PBT and vPvB assessment**  
**Other adverse effects**

Evidence for inherent biodegradability.  
 The substance has low potential for bioaccumulation.  
 The substance has low mobility in soil.  
 Not classified as PBT or vPvB.  
 Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

### SECTION 14: TRANSPORT INFORMATION

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	Not classified as dangerous for transport. *	UN 3082	UN 3082
<b>Proper Shipping Name</b>	Not classified as dangerous for transport. *	Environmentally hazardous substance, liquid, n.o.s. (organo-zinc compound) **	
<b>Transport hazard class(es)</b>		9	9
<b>Packing group</b>		III	III
<b>Environmental hazards</b>		Yes.	Yes.
<b>Special precautions for user</b>		None assigned.	None assigned.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

\* Bulk shipments may be shipped as UN3082, Environmentally substance, liquid, n.os., 9, PG III in the U.S.

\*\* Limited Quantity and Excepted Quantity provisions apply. Refer to current IATA and IMDG Regulations.

### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed and active, or exempt.

**TSCA 12(B) Components:** CAS 65530-70-3, CAS 65530-72-5, Perfluoroalkyl phosphates, ammonium salts (subject to Export Notification)

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:** Refer to SECTION 2 - HAZARDS IDENTIFICATION

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

**SARA 302 - Extremely Hazardous Substances (40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----



## PREMIUM PLUS STONE SEALER

### California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 10, 2020

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

#### Hazard Statement(s)

- H225: Highly flammable liquid and vapour.
- H227: Combustible liquid.
- H301: Toxic if swallowed.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H331: Toxic if inhaled.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H373: May cause damage to organs through prolonged or repeated exposure: liver.
- H400: Very toxic to aquatic life.
- H402: Harmful to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

Training advice: None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.



## PREMIUM STONE SEALER

### SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	PREMIUM STONE SEALER
Product Code	None

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Stone Surface Sealant, LLC
Uses Advised Against	Do not aerosolize
Company Identification	MORE Surface Care 200 Union Grove Rd SE Calhoun, GA 30701
Telephone	(844) 404-MORE (6673)
E-Mail (competent person)	steve@moresurfacecare.com & mark@moresurfacecare.com

**Emergency telephone number**

Emergency Phone No.	<b>Medical Emergency:</b> 1-800-222-1222; Not classified as dangerous for transport.
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#### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	Acute Tox. 4; STOT RE 2
-----------------------------	-------------------------

**Label elements**

Hazard Symbol

**WARNING**

Signal word(s)

Hazard Statement(s)

Harmful if inhaled - Aerosol.  
May cause damage to organs through prolonged or repeated exposure: liver.

Precautionary Statement(s)

Avoid contact with skin and eyes.  
Wear protective gloves/eye protection.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
IF INHALED: Get medical advice/attention if you feel unwell.  
IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove





## PREMIUM STONE SEALER

contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

**Other hazards**

None

**Additional Information**

Unlikely to be hazardous by inhalation unless present as an aerosol.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
Isopropanol	1 - 5	67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
2-Butoxyethanol	1 - 5	111-76-2	Flam. Liq. 4; H227 Acute. Tox. 4; H302, H312, H332 Skin Irrit. 2; H315 Eye Irrit. 2A; H319
Proprietary mixture	1 - 5	Mixture	Acute Tox. 1; H330 STOT RE 2; H373 Aquatic Acute 3; H402 Aquatic Chronic 1; H410

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

### SECTION 4: FIRST AID MEASURES



**Description of first aid measures**

Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact	Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	Call a POISON CENTER or doctor/physician if you feel unwell.

**Most important symptoms and effects, both acute and delayed** None

**Indication of any immediate medical attention and special treatment needed** None

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media**



## PREMIUM STONE SEALER

-Suitable Extinguishing Media  
-Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.  
None anticipated.

**Special hazards arising from the substance or mixture**

Combustion or thermal decomposition will evolve toxic and irritant vapours.

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. Wear protective gloves/eye protection. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

**Environmental precautions**

Prevent liquid entering sewers, basements and work pits.

**Methods and material for containment and cleaning up**

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections**  
**Additional Information**

None  
None

### SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

Avoid contact with skin and eyes. Wear protective gloves/eye protection. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature

Do not allow material to freeze. Keep container tightly closed, in a cool, well ventilated place.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals.

**Specific end use(s)**

Stone Surface Sealant

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Isopropanol	67-63-0	400 ppm	200 ppm	500 ppm	400 ppm	-----
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	-----	-----	-----

-LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

**Recommended monitoring method**

NIOSH 1400 (Alcohols); NIOSH 1403 (Alcohols IV)

**Exposure controls**

**Appropriate engineering controls**

Not normally required.

**Personal protection equipment**



## PREMIUM STONE SEALER

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

### Environmental Exposure Controls

Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid
Color	Colorless
Odor	Mild
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	~0 °C (similar to water)
Boiling point/boiling range (°C):	~100 °C (similar to water)
Flash Point (°C)	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not available
Oxidizing properties	Not available
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.



## PREMIUM STONE SEALER

<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	This product should be stored away from sources of strong heat or oxidizing chemicals.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

#### Information on toxicological effects

Isopropanol (CAS# 67-63-0):

**Acute toxicity**  
Oral: LD50 = 5.84 g/kg (rat)  
Inhalation: LC50 > 1000 ppm (rat) 6 hour(s)  
Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s)  
May cause drowsiness or dizziness.

**Irritation/Corrosivity**  
Irritating to eyes.  
**Sensitisation**  
It is not a skin sensitiser.

**Repeated dose toxicity**  
NOAEL = 5,000 ppm (Inhalation)  
May cause drowsiness or dizziness.

**Carcinogenicity**  
It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**  
There is no evidence of mutagenic potential.  
**Toxicity for reproduction**  
Not available

Proprietary mixture (CAS #Mixture) By analogy with similar materials.:

**Acute toxicity**  
Oral: LD50:> 5000 mg/kg (rat)  
Dermal: LD50: >5000 mg/kg (rat)  
Inhalation (4 hr) Approximate Lethal Concentration: 0.047 mg/l (rat)

**Irritation/Corrosivity**  
Non-irritant  
**Sensitisation**  
It is not a skin sensitiser.

**Repeated dose toxicity**  
Not available.

**Carcinogenicity**  
It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity**  
Not available.  
**Toxicity for reproduction**  
Not available.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Isopropanol (CAS# 67-63-0):

Short term  
LC50 (96 hour): 10,000 mg/l (Fathead minnow (*Pimephales promelas*))  
LC50 24hour(s): >10,000 mg/l (*Daphnia magna*)

Long Term  
NOEC: 3.37 µmol/l (*Daphnia magna*) (Growth rate)



## PREMIUM STONE SEALER

<b>Persistence and degradability</b>	Not available.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	Not available.

Proprietary mixture (CAS #Mixture) By analogy with similar materials::

Short term	LC50 (96 hour): >36.4 mg/l ( <i>Oncorhynchus mykiss</i> ) EC50 (48 hour): 16.2 mg/l ( <i>Daphnia magna</i> )
Long Term	NOEC (21day): 0.0467 mg/l ( <i>Daphnia magna</i> )

<b>Persistence and degradability</b>	Not readily biodegradable.
<b>Bioaccumulative potential</b>	Not available.
<b>Mobility in soil</b>	Not available.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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### SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>			
<b>Proper Shipping Name</b>			
<b>Transport hazard class(es)</b>			
<b>Packing group</b>			
<b>Environmental hazards</b>			
<b>Special precautions for user</b>			
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> Not applicable			

### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act)** - Inventory Status: All components listed or polymer exempt.

**TSCA 12(B) Components:** CAS 65530-70-3, CAS 65530-72-5, Perfluoroalkyl phosphates, ammonium salts (subject to Export Notification)

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:** None

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):**



## PREMIUM STONE SEALER

Chemical Name	CAS No.	Typical %wt.
None	-----	-----

### SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

### California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

**Date of preparation:** April 15, 2015

**Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:**

#### Hazard Statement(s)

- H225: Highly flammable liquid and vapour.
- H227: Combustible liquid.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H330: Fatal if inhaled.
- H332: Harmful if inhaled.
- H336: May cause drowsiness or dizziness.
- H373: May cause damage to organs through prolonged or repeated exposure: liver.
- H402: Harmful to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.

**Training advice:** None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.



# STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)
Product Code	None

#### Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Dual Surface Cleaning and Protecting Product
Uses Advised Against	None
Company Identification	MORE Surface Care, LLC 30506 San Antonio Street, Hayward, CA 94544, U.S.A.
Telephone	(844) 404-MORE (6673)
E-Mail (competent person)	steve@moresurfacecare.com & mark@moresurfacecare.com

#### Emergency telephone number

Emergency Phone No.	<b>Medical Emergency:</b> 1-800-222-1222; Not classified as dangerous for transport.
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Not classified as dangerous for supply/use.
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#### Label elements

Hazard Symbol	None
Signal word(s)	None
Hazard Statement(s)	None
Precautionary Statement(s)	Avoid contact with skin and eyes. Wear protective gloves/eye protection. IF INHALED: Get medical advice/attention if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If irritation (redness, rash, blistering) develops, get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.



## STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.*	CAS No.	Hazard classification
Surfactant mixture	<1	Mixture	Skin Irrit. 2; H315 Eye Irrit. 2b; H320 Aquatic Acute 3; H402 Aquatic Chronic 3; H412
Amphoteric surfactant blend	< 0.5	Mixture	Not classified as dangerous for supply/use.
Antimicrobial agent	< 0.1	Trade Secret	Acute Tox. 3; H301, H331 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

**Additional Information** - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below: **None**

### SECTION 4: FIRST AID MEASURES



#### Description of first aid measures

Inhalation

Get medical advice/attention if you feel unwell.

Skin Contact

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell.

#### Most important symptoms and effects, both acute and delayed

None

#### Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Non-combustible. As appropriate for surrounding fire.  
None anticipated.

#### Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapours.

#### Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.





## STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes. Wear protective gloves/eye protection.
<b>Environmental precautions</b>	Prevent liquid entering sewers, basements and work pits. Avoid release to the environment.
<b>Methods and material for containment and cleaning up</b>	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
<b>Reference to other sections</b>	None
<b>Additional Information</b>	None

### SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with skin and eyes. Use only in well-ventilated areas.
<b>Conditions for safe storage, including any incompatibilities</b>	
-Storage temperature	Do not allow material to freeze.
-Incompatible materials	This product should be stored away from sources of strong heat, oxidizing chemicals and reducing agents.
<b>Specific end use(s)</b>	Dual Surface Cleaning and Protecting Product

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

-LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit

#### Recommended monitoring method

#### Exposure controls

#### Appropriate engineering controls

Not normally required.

#### Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.





## STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls**

Avoid release to the environment.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Appearance	Liquid
Color	Colorless
Odor	Mild
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	-0 °C (similar to water)
Boiling point/boiling range (°C):	~100 °C (similar to water)
Flash Point (°C)	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapor pressure (Pascal)	Not available
Vapor Density (Air=1)	Not available
Density (g/ml)	0.95 (7.93 lb/gal)
Solubility (Water)	Miscible
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not available
Oxidizing properties	Not available
<b>Other information</b>	Not available

### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	Incompatible materials.
<b>Incompatible materials</b>	This product should be stored away from sources of strong heat, oxidizing chemicals and reducing agents.
<b>Hazardous decomposition product(s)</b>	Carbon monoxide, Carbon dioxide, Acrid smoke

### SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact



## STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

### Information on toxicological effects

Surfactant mixture (CAS# Mixture) - By analogy with similar materials:

<b>Acute toxicity</b>	LD50 (oral): ~2290 mg/kg-bw (rat)
<b>Irritation/Corrosivity</b>	Irritating to eyes and skin.
<b>Sensitisation</b>	Not to be expected.
<b>Repeated dose toxicity</b>	Not to be expected.
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	Not to be expected.
<b>Toxicity for reproduction</b>	Not to be expected.

Antimicrobial agent (CAS# Trade Secret):

<b>Acute toxicity</b>	Oral: LD50 = 269 mg/kg (rat) Inhalation: LC50 = 0.83 mg/l (rat) 4 hour(s) Dermal: LD50 > 2000 mg/kg (rat) 24 hour(s)
<b>Irritation/Corrosivity</b>	Causes serious eye damage.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	NOAEL = 0.5 mg/kg (Oral); 104 weeks NOAEL = 0.002 mg/l (Inhalation); 21 days
<b>Carcinogenicity</b>	It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	Not to be expected. Studies in animals have shown that high exposures produce embryo/foetotoxic effects in the presence of maternal toxicity.

## SECTION 12: ECOLOGICAL INFORMATION

Antimicrobial agent (CAS# Trade Secret):

### Ecotoxicity

Short term	LC50 (96 hour): 0.0026 mg/l (Fathead minnow ( <i>Pimephales promelas</i> ) LC50 24hour(s): 0.0082 mg/l ( <i>Daphnia magna</i> ) M-Factor = 100
Long Term	NOEC: 3.37 µmol/l ( <i>Daphnia magna</i> ) (Growth rate)

<b>Persistence and degradability</b>	Evidence for inherent biodegradability.
<b>Bioaccumulative potential</b>	The substance has low potential for bioaccumulation.
<b>Mobility in soil</b>	The substance has low mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	Not available.



# STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

Surfactant mixture (CAS# Mixture) - By analogy with similar materials:

**Ecotoxicity**

Short term LC50 (96 hour): ~ 37 mg/l (fish)  
 LC50 (48 hour): ~ 38 mg/l (aquatic invertebrate)

Long Term Not available.

**Persistence and degradability** Not available.

**Bioaccumulative potential** Not available.

**Mobility in soil** Not available.

**Results of PBT and vPvB assessment** Not available.

**Other adverse effects** None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods** Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

## SECTION 14: TRANSPORT INFORMATION

	<b>Land transport (U.S. DOT)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN number</b>	Not classified as dangerous for transport. *	UN 3082	UN 3082
<b>Proper Shipping Name</b>		Environmentally hazardous substance, liquid, n.o.s. (organo-zinc compound) **	
<b>Transport hazard class(es)</b>		9	9
<b>Packing group</b>		III	III
<b>Environmental hazards</b>		Yes.	Yes.
<b>Special precautions for user</b>		None assigned.	None assigned.

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

\* Bulk shipments may be shipped as UN3082, Environmentally substance, liquid, n.os., 9, PG III in the U.S.

\*\* Limited Quantity and Excepted Quantity provisions apply. Refer to current IATA and IMDG Regulations.

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act)** - Inventory Status: All components listed and active, or exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

**SARA 311/312 - Hazard Categories:** Refer to SECTION 2 - HAZARDS IDENTIFICATION

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
None	-----	-----



## STONE & QUARTZ CLEANER + PROTECTOR (Antimicrobial)

### SARA 302 - Extremely Hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

### California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	-----	-----

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 12, 2020

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

#### Hazard Statement(s)

- H301: Toxic if swallowed.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H320: Causes eye irritation.
- H331: Toxic if inhaled.
- H400: Very toxic to aquatic life.
- H401: Toxic to aquatic life.
- H402: Toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

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