SAFETY DATA SHEET

May be used to comply with OSHA Hazcom 29 CFR 1910.1200. Standards must be consulted for specific requirements.

Revision Date: 2023-06-12

1. IDENTIFICATION

Product Name:	Statguard® Conductive Epoxy, Part A
Identified use:	Hardener
Company Identification:	Statguard Flooring One Colgate Way Canton, MA 02021 UNITED STATES +1 781-821-8370
Email Address:	Service@StatguardFlooring.com
Emergency telephone number	+1 781-821-8370 (During normal opening times)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Skin sensitisation	Category 1
Eye irritation	Category 2A

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms

Signal word:	Warning
Hazard-determining components of labeling:	(Proprietary) Ingredients Bisphenol A epoxy resin
Hazard statements	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation.
Precautionary statements	Avoid breathing dust/fume/gas/mist/vapors/spray Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves / eye protection / face protection. If on skin: Wash with plenty of water. Specific treatment (see on this label). IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep container tightly closed.

Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions

Components	CAS No.	Concentration
(Proprietary) Ingredients	-	50 - 100%
Bisphenol A epoxy resin	25068-38-6	25 - 50%

4. FIRST-AID MEASURES

Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptomes persist consult doctor. Do not induce vomiting.

Information for doctor:
Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media
Suitable extinguishing agents: Use fire fighting measures that suit the environment.
Special hazards arising from the substance or mixture: No further relevant information available.
Advice for firefighters
Protective equipment: No special measures required

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Not required.
Environmental precautions:
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

Reference 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.

Protective Action Criteria for Chemicals

PAC-1:		
Bisphenol A epoxy resin	25068-38-6	90 mg/m³
PAC-2:		
Bisphenol A epoxy resin	25068-38-6	990 mg/m³
PAC-3:		
Bisphenol A epoxy resin	25068-38-6	5,900 mg/m³

7. HANDLING AND STORAGE

Handling:
Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s) No further relevant information available.

Instructions for use:
MIX 1 PART (A) : 3 PART (B)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see section 7.

Control parameters

Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:
Tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Clear
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Melting point:	Undetermined.
Boiling Point:	Undetermined.
Flash point:	252 °C (485.6 °F)
Flammability:	Not applicable.
Auto igniting:	300 °C (572 °F)
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Lower explosion limits:	Not determined.
Upper explosion limits:	Not determined.
Vapor pressure at 20 °C (68 °F):	0.1 hPa
Density at 20 °C (68 °F):	1.12 g/cm³ (9.3464 lbs/gal)
Relative density:	Not determined.
Vapor density:	Heavier than (Air)
Evaportation rate:	Slower than (n-Butyl Acetate)
Solubility:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Dynamic:	Not determined.
Kinematic:	Not determined.
VOC Content:	0.00 % 0.0 g/l / 0.00 lb/gal
Other Information:	No further relevant information available.

10. STABILITY AND REACTIVITY

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: Irritating effect.
Sensitization: Sensitization possible through skin contact.

Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed
NTP (National Toxicology Program)
None of the ingredients is listed
OSHA-Ca (Occupational Safety & Health Administration)
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

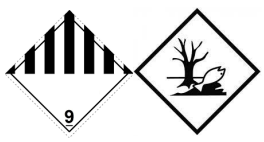
13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agent.

14. TRANPORTATION INFORMATION

UN-Number	
DOT	Not applicable/Not regulated
IMDG, IATA	UN3082
UN proper shipping name	
DOT	Not applicable/Not regulated
IMDG	ENVIR ONMEN T ALLY H AZARD OUS SUB ST ANC E, LIQUID, N.O.S. (Bisphenol A epoxy resin), MARINE POLLUTANT
IATA	ENVIR ONMEN T ALLY H AZARD OUS SUB ST ANC E, LIQUID, N.O.S. (Bisphenol A epoxy resin)
Transport hazard class(es)	
DOT Class:	Note applicable/Not regulated

IMDG, IATA



Class:	9 Miscellaneous dangerous substances and articles
Label:	9
Packing group	
DOT:	Not applicable/Not regulated
IMDG, IATA:	III
Environmental hazards	
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
Special precautions for user	Warning: Miscellaneous dangerous substances and articles
Hazard identification number (Kemler code):	90
EMS Number:	F-A, S-F
Stowage Category:	A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Transport/Additional information	
DOT Remark:	Classified for US ground transportation only! Marine pollutants are only regulated for bulk 49CFR171.4 (c)
IMDG	
Limited quantities (LQ):	5L
Excepted quantities (EQ):	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN), 9, III

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
No further relevant information available

SARA

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

TSCA (Toxic Substances Control Act):
Bisphenol A epoxy resin (CAS# 25068-38-6)

Hazardous Air Pollutants:
None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency):
None of the ingredients is listed.

TLV (Threshold Limit Value):
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients is listed.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Date: 2023-06-12

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irritation 2: Skin corrosion/irritation – Category 2
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - Skin 1: Skin sensitisation – Category 1
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

Disclaimer

OTHER INFORMATION: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.

SAFETY DATA SHEET

May be used to comply with OSHA Hazcom 29 CFR 1910.1200. Standards must be consulted for specific requirements.

Revision Date: 2023-06-12

1. IDENTIFICATION

Product Name:	Statguard® Conductive Epoxy, Part B
Identified use:	Epoxy Resin
Company Identification:	Statguard Flooring One Colgate Way Canton, MA 02021 UNITED STATES +1 781-821-8370
Email Address:	Service@StatguardFlooring.com
Emergency telephone number	+1 781-821-8370 (During normal opening times)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1
Specific Target Organ Toxicity - Repeated Exposure	Category 2
Eye Damage	Category 1

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS)

Hazard pictograms

Signal word:	Warning
Hazard-determining components of labeling:	Polymer, reaction product of BADGE/glycidylether with TEPA Quartz (SiO2) Mica - Potassium Aluminum Silicate Naphtha (petroleum), heavy alkylate
Hazard statements	Causes serious eye damage. May cause genetic defects. May cause cancer. May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.

Components	CAS No.	Concentration
Polymer, reaction product of BADGE/ glycidylether with TEPA	155240-10-1	10 - 25%
Mica - Potassium Aluminum Silicate	12001-26-2	2.5 - 10%
TIN ANTIMONY OXIDE	68187-54-2	≥2.5 - <10%
Quartz (SiO2)	14808-60-7	2.5 - 10%
titanium dioxide	13463-67-7	2.5 - 10%
2-butoxyethanol	111-76-2	2.5 - 10%
Propylene glycol	57-55-6	2.5 - 10%
Paraffins (petroleum), normal C>10	64771-71-7	≤2.5%
butan-1-ol	71-36-3	≥1-≤2.5%
Naphtha (petroleum), heavy alkylate	64741-65-7	≥0.1-≤2.5%

4. FIRST-AID MEASURES

Description of first aid measures

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: If symptomes persist consult doctor. Do not induce vomiting.

Information for doctor:
Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media
Suitable extinguishing agents: Use fire fighting measures that suit the environment.

Special hazards arising from the substance or mixture
During heating or in case of fire poisonous gases are produced.

Advice for firefighters
Protective equipment: Mouth respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Environmental precautions:
Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

Reference 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.

Protective Action Criteria for Chemicals

PAC-1:		
Mica - Potassium Aluminum Silicate	25068-38-6	9 mg/m³
Quartz (SiO2)	14808-60-7	0.075 mg/m³
titanium dioxide	13463-67-7	30 mg/m³
2-butoxyethanol	111-76-2	60 ppm
Propylene glycol	57-55-6	30 mg/m³
butan-1-ol	71-36-3	60 ppm
Poly(propylene glycol)	25322-69-4	30 mg/m³
Dipropylene glycol monomethyl ether	34590-94-8	150 ppm
4-Nonylphenol, branched, ethoxylated	127087-87-0	30 mg/m³
magnesium oxide	1309-48-4	30 mg/m³

PAC-2:		
Mica - Potassium Aluminum Silicate	25068-38-6	99 mg/m³
Quartz (SiO2)	14808-60-7	33 mg/m³
titanium dioxide	13463-67-7	330 mg/m³
2-butoxyethanol	111-76-2	120 ppm
Propylene glycol	57-55-6	1300 mg/m³
butan-1-ol	71-36-3	800 ppm
Poly(propylene glycol)	25322-69-4	330 mg/m³
Dipropylene glycol monomethyl ether	34590-94-8	1700* ppm
4-Nonylphenol, branched, ethoxylated	127087-87-0	330 mg/m³
magnesium oxide	1309-48-4	120 mg/m³

PAC-3:		
Mica - Potassium Aluminum Silicate	25068-38-6	590 mg/m³
Quartz (SiO2)	14808-60-7	200 mg/m³
titanium dioxide	13463-67-7	2000 mg/m³
2-butoxyethanol	111-76-2	700 ppm
Propylene glycol	57-55-6	7900 mg/m³
butan-1-ol	71-36-3	8000** ppm
Poly(propylene glycol)	25322-69-4	2000 mg/m³
Dipropylene glycol monomethyl ether	34590-94-8	9900** ppm
4-Nonylphenol, branched, ethoxylated	127087-87-0	2000 mg/m³
magnesium oxide	1309-48-4	730 mg/m³

7. HANDLING AND STORAGE

Handling:
Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
Information about protection against explosions and fires: Keep respiratory protective device available

Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s) No further relevant information available.

Instructions for use: Stir well before using. MIX 1 PART (A) : 3 PART (B)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see section 7.

Control parameters

Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

12001-26-2 Mica - Potassium Aluminum Silicate	
PEL	Long-term value: 20 mppcf ppm <1% crystalline silica
REL	Long-term value: 3* mg/m³ *respirable dust; containing < 1% quartz
TLV	Long-term value: 0.1 mg/m³ *resp.fraction
14808-60-7 Quartz (SiO2)	
PEL	Long-term value: 0.05* mg/m³ *resp. dust; 30mg/m3/%SiO2+2
REL	Long-term value: 0.05* mg/m³ *respirable dust; See Pocket Guide App. A
TLV	Long-term value: 0.025* mg/m³ *respirable particulate matter, A2
111-76-2 2-butoxyethanol	
PEL	Long-term value: 240 mg/m³, 50 ppm (Skin)
REL	Long-term value: 24 mg/m³, 5 ppm (Skin)
TLV	Long-term value: 20 ppm (BEI, A3)
57-55-6 Propylene glycol	
WEEL	Long-term value: 10 mg/m³
71-36-3 butan-1-ol	
PEL	Long-term value: 300 mg/m³, 100 ppm
REK	Ceiling limit value: 150 mg/m³, 50 ppm (Skin)
TLV	Long-term value: 20 ppm

Ingredients with biological limit values: 111-76-2 2-butoxyethanol	
BEI	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:
Tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Color:	Light Gray
Odor:	Characteristic
Odor threshold:	Not determined.
pH-value:	Not determined.
Melting point:	Undetermined.
Boiling Point:	100 °C (212 °F)
Flash point:	95-125 °C (203-257 °F)
Flammability:	Not applicable.
Decomposition temperature:	Not determined.
Ignition temperature:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Lower explosion limits:	Not determined.
Upper explosion limits:	Not determined.
Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
Density at 20 °C (68 °F):	1.41477 g/cm³ (11.80626 lbs/gal)

Relative density:	Not determined.
Vapor density:	Heavier than (Air)
Evaportation rate:	Slower than (n-Butyl Acetate)
Solubility:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.
Dynamic:	Not determined.
Kinematic:	Not determined.
VOC Content:	10.06 % 145.2 g/l / 1.21 lb/gal
Other Information:	ESD= < 1.0 X 10 e5

10. STABILITY AND REACTIVITY

Reactivity No further relevant information available.
Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
Possibility of hazardous reactions No dangerous reactions known.
Conditions to avoid No further relevant information available.
Incompatible materials: No further relevant information available.
Hazardous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:		
111-76-2 2-butoxyethanol		
Oral	LD50	1,200 mg/kg (ATE) 1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)

Primary irritant effect:
on the skin: No irritant effect.
on the eye: Strong irritant with the danger of severe eye injury.
Sensitization: No sensitizing effects known.
Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
The product can cause inheritable damage.

Carcinogenic categories

IARC (International Agency for Research on Cancer)		
14808-60-7	Quartz (SiO2)	1
13463-67-7	titanium dioxide	2B
111-76-2	2-butoxyethanol	3

NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO2)	K

OSHA-Ca (Occupational Safety & Health Administration)
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.

Behavior in environmental systems:
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Additional ecological information:

General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Recommendation:
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agent: Water, if necessary with cleansing agents.

14. TRANSPORT INFORMATION

UN-Number **DOT, ADN, IMDG, IATA**	Not applicable/Not regulated
UN proper shipping name **DOT, ADN, IMDG, IATA**	Not applicable/Not regulated
Transport hazard class(es) **DOT, ADN, IMDG, IATA** **Class**	Not applicable/Not regulated
Packing group **DOT, IMDG, IATA**	Not applicable/Not regulated
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	Not applicable/Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
No further relevant information available

SARA

Section 355 (extremely hazardous substances):
None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):
2-butoxyethanol (CAS# 111-76-2)
butan-1-ol (CAS# 71-36-3)
Naphtha (petroleum), heavy alkylate (CAS# 64741-65-7)
4-Nonylphenol, branched, ethoxylated (CAS# 127087-87-0)

TSCA (Toxic Substances Control Act):
All ingredients are listed.

Hazardous Air Pollutants:
None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer:
Quartz (SiO2) (CAS# 14808-60-7)
titanium dioxide (CAS# 13463-67-7)

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency)		
111-76-2	2-butoxyethanol	NL
71-36-3	butan-1-ol	D

TLV (Threshold Limit Value)		
14808-60-7	Quartz (SiO2)	A2
13463-67-7	titanium dioxide	A4
111-76-2	2-butoxyethanol	A3
1309-48-4	magnesium oxide	A4

NIOSH-Ca (National Institute for Occupational Safety and Health)	
14808-60-7	Quartz (SiO2)
13463-67-7	titanium dioxide

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Date: 2023-06-12

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value

PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Eye Damage 1: Serious eye damage/eye irritation – Category 1
Germ Cell Mutagenicity 1B: Germ cell mutagenicity – Category 1B
Carcinogenicity 1A: Carcinogenicity – Category 1A
Specific Target Organ Toxicity - Repeated Exposure 2: Specific target organ toxicity (repeated exposure) – Category 2

Disclaimer

OTHER INFORMATION: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.