

UNICOAT MAX COARSE RILLED NUETRAL/PASTEL BASE

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Date of Issue: 06/11/2024

Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: UNICOAT MAX COARSE RILLED NUETRAL/PASTEL BASE

Product Code: 340

Synonyms: Stucco Finish Coating; UNICOAT MAX COARSE RILLED PASTEL BASE; UNICOAT MAX COARSE RILLED NEUTRAL BASE

1.2. Intended Use of the Product

Use of the Substance/Mixture: Exterior Synthetic Coating for Cement, block and Stucco. Exterior use only.

1.3. Name, Address, and Telephone of the Responsible Party

Company

Somar Industries Ltd.

6050 Lockett Court

El Paso, TX 79932

(915) 858-8080

1.4. Emergency Telephone Number

Emergency Number : (915) 727-0877

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Carcinogenicity Category 1A H350

Reproductive toxicity Category 2 H361

Specific target organ toxicity – Single exposure, Category 3, H335

Respiratory tract irritation

Specific target organ toxicity (repeated exposure) Category 1 H372

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H335 - May cause respiratory irritation.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H372 - Causes damage to organs (kidneys, lung/respiratory system) through prolonged or repeated exposure (oral, Inhalation).

Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, and eye protection.
P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)

No data available

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Proprietary Ingredient 1	Proprietary	(CAS-No.) Proprietary	50.98 – 51.126675	Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372
Proprietary Ingredient 2	Proprietary	(CAS-No.) Proprietary	18.6061 – 19.6485	Not classified.
Proprietary Ingredient 3	Proprietary	(CAS-No.) Proprietary	7.475 – 10.591	Not classified.
Proprietary Ingredient 4	Proprietary	(CAS-No.) Proprietary	6.1976 – 9.2874	Not classified.
Proprietary Ingredient 5	Proprietary	(CAS-No.) Proprietary	2.6	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Proprietary Ingredient 6	Proprietary	(CAS-No.) Proprietary	1.06 – 1.72	Carc. 2, H351
Proprietary Ingredient 7	Proprietary	(CAS-No.) Proprietary	0.94	Not classified.
Proprietary Ingredient 8	Proprietary	(CAS-No.) Proprietary	≤ 0.92	Not classified.
Proprietary Ingredient 9	Proprietary	(CAS-No.) Proprietary	0.21	Comb. Dust
Proprietary Ingredient 10	Proprietary	(CAS-No.) Proprietary	0.15	Aquatic Acute 3, H402
Proprietary Ingredient 11	Proprietary	(CAS-No.) Proprietary	0.1176 – 0.1274	Not classified.
Proprietary Ingredient 12	Proprietary	(CAS-No.) Proprietary	0.105 – 0.119	Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 1B, H350 Repr. 2, H361 STOT RE 1, H372 Asp. Tox. 1, H304
Proprietary Ingredient 13	Proprietary	(CAS-No.) Proprietary	0.00641 – 0.0648	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Proprietary Ingredient 14	Proprietary	(CAS-No.) Proprietary	0.0324918	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 1, H370 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Proprietary Ingredient 15	Proprietary	(CAS-No.) Proprietary	< 0.03026	Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412

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Proprietary Ingredient 16	Proprietary	(CAS-No.) Proprietary	0.0255	Acute Tox. 4 (Oral), H302 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Proprietary Ingredient 17	Proprietary	(CAS-No.) Proprietary	0.014 – 0.021	Not classified.
Proprietary Ingredient 18	Proprietary	(CAS-No.) Proprietary	0.012 – 0.018	Not classified.
Proprietary Ingredient 19	Proprietary	(CAS-No.) Proprietary	0.00006 – 0.01573	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Proprietary Ingredient 20	Proprietary	(CAS-No.) Proprietary	0.00006 – 0.01549	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Proprietary Ingredient 21	Proprietary	(CAS-No.) Proprietary	0.007 – 0.014	Carc. 1B, H350
Proprietary Ingredient 22	Proprietary	(CAS-No.) Proprietary	< 0.00648	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 3, H402
Proprietary Ingredient 23	Proprietary	(CAS-No.) Proprietary	< 0.00648	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1A, H350 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Proprietary Ingredient 24	Proprietary	(CAS-No.) Proprietary	< 0.00648	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335
Proprietary Ingredient 25	Proprietary	(CAS-No.) Proprietary	< 0.00648	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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Proprietary Ingredient 26	Proprietary	(CAS-No.) Proprietary	< 0.00648	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation:gas), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H335 STOT RE 1, H372 Aquatic Acute 3, H402
Proprietary Ingredient 27	Proprietary	(CAS-No.) Proprietary	< 0.00648	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335 Aquatic Acute 3, H402
Proprietary Ingredient 28	Proprietary	(CAS-No.) Proprietary	0.003 – 0.006	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
Proprietary Ingredient 29	Proprietary	(CAS-No.) Proprietary	0.003 – 0.006	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Proprietary Ingredient 30	Proprietary	(CAS-No.) Proprietary	≤ 0.0009	STOT SE 3, H335
Proprietary Ingredient 31	Proprietary	(CAS-No.) Proprietary	< 0.00049	STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Proprietary Ingredient 32	Proprietary	(CAS-No.) Proprietary	0.00008454	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 3, H412

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. If exposed or concerned: Get medical advice/attention. Drench affected area with water for at least 15 minutes.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: May cause respiratory irritation. Causes damage to organs (kidneys, lung/respiratory system) through prolonged or repeated exposure (oral, Inhalation). May cause cancer. Suspected of damaging the unborn child.

Symptoms/Injuries After Inhalation: Irritation of the respiratory tract and the other mucous membranes. Cough, dyspnea (breathing difficulty), wheezing; decreased pulmonary function, progressive respiratory symptoms (silicosis). The lungs become very inflamed and may fill with fluid, causing severe shortness of breath and low blood oxygen levels. Inflammation, scarring, and symptoms progress faster in accelerated silicosis than in simple silicosis. Progressive massive fibrosis may occur in simple or accelerated silicosis, but is more common in the accelerated form. Progressive massive fibrosis results from severe scarring and leads to the destruction of normal lung structures.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Causes damage to organs (kidneys, lung/respiratory system) through prolonged or repeated exposure (oral, Inhalation). May cause cancer. Suspected of damaging the unborn child. This product contains crystalline silica. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis; a seriously disabling and fatal lung disease, and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects. Pulmonary function may be reduced and pre-existing lung diseases such as: emphysema or asthma may be aggravated by inhalation exposure to dusts. Smoking aggravates the effects of exposure. Inhalation may lead to a progressive massive fibrosis which may be accompanied by right heart enlargement, heart failure, pulmonary failure of the lung and susceptibility to pulmonary tuberculosis.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

Treatment will be based on severity and prognosis of disease.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Silicates dissolve in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Silicon oxides. Metal oxides. Calcium oxides. Nitrogen oxides. Sulfur oxides. Chlorine compounds. Unidentified organic compounds.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

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Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Avoid letting the product become dry. Recover product mechanically. Use water to suppress dust if material is dry. Avoid actions that cause dust to become airborne during clean-up such as dry sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Use PPE described in Section 8. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: As supplied, product is a paste. If dried, hazardous product dusts may occur. Cutting, crushing or grinding crystalline silica-bearing materials may release respirable crystalline silica, a known carcinogen. Use all appropriate measures of dust control or suppression and personal protective equipment. Do not use air pressure or dry methods to clean dust-covered surfaces. Use appropriate vacuum apparatus, or water plus a cleansing agent. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not breathe dust. Avoid creating or spreading dust. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Exterior Synthetic Coating for Cement, block and Stucco. Exterior use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

Proprietary Ingredient 5		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm (vapor fraction)
USA ACGIH	ACGIH OEL STEL	10 mg/m ³ (inhalable particulate matter, aerosol only)
USA ACGIH	ACGIH OEL STEL [ppm]	50 ppm (vapor fraction)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
Proprietary Ingredient 6		
USA ACGIH	ACGIH OEL TWA	0.2 mg/m ³ (nanoscale respirable particulate matter) 2.5 mg/m ³ (finescale respirable particulate matter)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA NIOSH	NIOSH REL (TWA)	2.4 mg/m ³ (CIB 63-fine) 0.3 mg/m ³ (CIB 63-ultrafine, including engineered nanoscale)
USA IDLH	IDLH	5000 mg/m ³
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust)
Proprietary Ingredient 2		
USA NIOSH	NIOSH REL (TWA)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Proprietary Ingredient 1		
USA ACGIH	ACGIH OEL TWA	0.025 mg/m ³ (respirable particulate matter)
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA NIOSH	NIOSH REL (TWA)	0.05 mg/m ³ (respirable dust)
USA IDLH	IDLH	50 mg/m ³ (respirable dust)
USA OSHA	OSHA PEL (TWA) [1]	50 µg/m ³ (Respirable crystalline silica)
USA OSHA	OSHA PEL (TWA) [2]	(250)/(%SiO ₂ +5) mppcf TWA (respirable fraction) (10)/(%SiO ₂ +2) mg/m ³ TWA (respirable fraction)

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		(For any operations or sectors for which the respirable crystalline silica standard, 1910.1053, is stayed or otherwise not in effect, See 20 CFR 1910.1000 TABLE Z-3)
Proprietary Ingredient 13		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	35 ppm
USA NIOSH	NIOSH REL (TWA)	18 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	25 ppm
USA NIOSH	NIOSH REL (STEL)	27 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	35 ppm
USA IDLH	IDLH [ppm]	300 ppm
USA OSHA	OSHA PEL (TWA) [1]	35 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	50 ppm
Proprietary Ingredient 22		
USA ACGIH	ACGIH OEL TWA [ppm]	50 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	100 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen,dermal sensitizer
USA NIOSH	NIOSH REL (TWA)	410 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA IDLH	IDLH [ppm]	1000 ppm
USA OSHA	OSHA PEL (TWA) [1]	410 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
Proprietary Ingredient 23		
USA ACGIH	ACGIH OEL TWA [ppm]	0.1 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	0.3 ppm
USA ACGIH	ACGIH chemical category	Confirmed Human Carcinogen,dermal sensitizer
USA NIOSH	NIOSH REL TWA [ppm]	0.016 ppm
USA NIOSH	NIOSH REL C [ppm]	0.1 ppm
USA IDLH	IDLH [ppm]	20 ppm
USA OSHA	OSHA PEL (TWA) [2]	0.75 ppm
USA OSHA	OSHA PEL (STEL) [2]	2 ppm (see 29 CFR 1910.1048)
USA OSHA	OSHA Action Level/Excursion Limit	0.5 ppm (Action level, see 29 CFR 1910.1028)
Proprietary Ingredient 24		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (Ceiling)	3.6 mg/m ³
USA NIOSH	NIOSH REL C [ppm]	1 ppm
USA IDLH	IDLH [ppm]	500 ppm
USA OSHA	OSHA PEL (TWA) [1]	360 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
Proprietary Ingredient 25		
USA ACGIH	ACGIH OEL TWA [ppm]	5 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA NIOSH	NIOSH REL (TWA)	245 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	50 ppm
USA IDLH	IDLH [ppm]	900 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	245 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	50 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
Proprietary Ingredient 26		
USA ACGIH	ACGIH OEL TWA [ppm]	1 ppm

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USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA ACGIH	BEI (BLV)	Parameter: N-(2-Hydroxyethyl)valine (HEV) hemoglobin adducts - Medium: blood - Sampling time: not critical (applies to workers having representative Ethylene oxide exposure during the previous 120 days) Parameter: S-(2-Hydroxyethyl)mercapturic acid (HEMA) - Medium: urine - Sampling time: end of shift (nonspecific, population based)
USA NIOSH	NIOSH REL (TWA)	0.18 mg/m ³ (less than stated value)
USA NIOSH	NIOSH REL TWA [ppm]	0.1 ppm (less than stated value)
USA NIOSH	NIOSH REL (Ceiling)	9 mg/m ³
USA NIOSH	NIOSH REL C [ppm]	5 ppm
USA IDLH	IDLH [ppm]	800 ppm
USA OSHA	OSHA PEL (TWA) [2]	1 ppm
USA OSHA	OSHA PEL (STEL) [2]	5 ppm (see 29 CFR 1910.1047)
USA OSHA	OSHA Action Level/Excursion Limit	0.5 ppm (Action Level, see 29 CFR 1910.1047) 5 ppm (Excursion Limit, see 29 CFR 1910.1047)
Proprietary Ingredient 27		
USA ACGIH	ACGIH OEL Ceiling [ppm]	25 ppm
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA IDLH	IDLH [ppm]	2000 ppm
USA OSHA	OSHA PEL (TWA) [1]	360 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
Proprietary Ingredient 15		
USA AIHA	WEEL TWA	0.5 mg/m ³
Proprietary Ingredient 18		
USA ACGIH	ACGIH OEL TWA	5 mg/m ³
Proprietary Ingredient 14		
USA ACGIH	ACGIH OEL TWA [ppm]	3 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	6 ppm
USA NIOSH	NIOSH REL (TWA)	8 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	3 ppm
USA NIOSH	NIOSH REL (STEL)	15 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	6 ppm
USA IDLH	IDLH [ppm]	30 ppm
USA OSHA	OSHA PEL (TWA) [1]	6 mg/m ³
USA OSHA	OSHA PEL (TWA) [2]	3 ppm
Proprietary Ingredient 32		
USA ACGIH	ACGIH OEL TWA	1 mg/m ³ (inhalable fraction and vapor)
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (TWA)	15 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	3 ppm
Residual Monomers		
	Internal OEL Value(s)	Internal TWA: 4 ppm (Skin); Internal STEL: 10 ppm (Skin)
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
Proprietary Ingredient 17		
USA OSHA	OSHA PEL (TWA) [1]	20 mppcf
USA OSHA	OSHA PEL (TWA) [2]	20 mppcf , 80/(SiO ₂) mg/m ³ (See 29 CFR 1910.1000 TABLE Z-3)
Proprietary Ingredient 30		
USA AIHA	WEEL TWA	10 mg/m ³ (molecular weight >200-aerosol)
Proprietary Ingredient 8		
USA NIOSH	NIOSH REL (TWA)	10 mg/m ³ (total dust)

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		5 mg/m ³ (respirable dust)
USA OSHA	OSHA PEL (TWA) [1]	15 mg/m ³ (General Industry - total dust)

8.2. Exposure Controls

Appropriate Engineering Controls

: Ensure adequate ventilation, especially in confined areas. Maintain sufficient mechanical or natural ventilation to assure silica concentrations remain below PEL/TLV. Use local exhaust if necessary. Power equipment should be equipped with properly designed dust collection devices. If product needs to be altered, use wet processing techniques if possible to minimize generation of dust. Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing

: Chemically resistant materials and fabrics.

Hand Protection

: Wear protective gloves.

Eye and Face Protection

: Chemical safety goggles.

Skin and Body Protection

: Wear suitable protective clothing.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information

: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Solid
Appearance	: White Soft Paste
Odor	: Faint
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: > 212 °F (100 °C)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Silicates dissolve in hydrofluoric acid, producing corrosive silicon tetrafluoride gas. Silicates react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride.

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

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10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Silicon oxides. Metal oxides. Calcium oxides. Nitrogen oxides. Sulfur oxides. Chlorine compounds. Unidentified organic compounds. Crystalline silica exists in several forms, the most common of which is quartz. If crystalline silica (quartz) is heated to more than 870°C (1598 °F), it can change to a form of crystalline silica known as trydimite, and if crystalline silica (quartz) is heated to more than 1470°C (2678 °F), it can change to a form of crystalline silica known as cristobalite. The OSHA PEL for crystalline silica as trydimite and cristobalite is one-half of the OSHA PEL for crystalline silica (quartz).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Not classified.

Acute Toxicity (Dermal): Not classified.

Acute Toxicity (Inhalation): Not classified.

Proprietary Ingredient 4	
LD50 Oral Rat	> 90 ml/kg (Source: FOOD_JOURN)
Proprietary Ingredient 5	
LD50 Oral Rat	4700 mg/kg (Source: NLM_CIP)
LD50 Dermal Rat	10600 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	> 2.5 mg/l (Exposure time: 6 h)
ATE (Oral)	500.00 mg/kg body weight
Proprietary Ingredient 7	
LD50 Oral Rat	> 2000 mg/kg (Source: IUCLID)
LC50 Inhalation Rat	> 2.07 mg/l/4h (No deaths)
Proprietary Ingredient 6	
LD50 Oral Rat	> 10000 mg/kg (Source: IUCLID)
LC50 Inhalation Rat	5.09 mg/l/4h
Proprietary Ingredient 1	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
Proprietary Ingredient 13	
LD50 Oral Rat	350 mg/kg (Source: OECD_SIDS)
LC50 Inhalation Rat	5.1 mg/l (Exposure time: 1 h)
LC50 Inhalation Rat	2000 ppm/4h (Exposure time: 4 h)
Proprietary Ingredient 22	
LD50 Oral Rat	8420 – 10000 mg/kg (Source: OECD_SIDS)
LD50 Dermal Rabbit	5000 – 7500 mg/kg (Source: OECD_SIDS)
LC50 Inhalation Rat	29.04 mg/l/4h
Proprietary Ingredient 23	
LD50 Oral Rat	100 mg/kg
LD50 Dermal Rat	270 mg/kg
LC50 Inhalation Rat	< 463 ppm/4h
ATE (Gases)	700.00 ppmV/4h
Proprietary Ingredient 24	
LD50 Oral Rat	5170 mg/kg (Source: JAPAN_GHS)
LD50 Dermal Rabbit	7600 mg/kg (Source: CHEMVIEW)
LC50 Inhalation Rat	46 mg/l (Exposure time: 2 h Source: JAPAN_GHS)
LC50 Inhalation Rat	32.5 mg/l/4h
Proprietary Ingredient 25	
LD50 Oral Rat	2260 mg/kg
LD50 Dermal Rabbit	10000 mg/kg
LC50 Inhalation Rat	> 3577 ppm (Exposure time: 6 h Source: JAPAN_GHS)

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LC50 Inhalation Rat	39.3 mg/l/4h
Proprietary Ingredient 26	
LD50 Oral Rat	72 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	800 ppm/4h
Proprietary Ingredient 27	
LD50 Oral Rat	660 mg/kg (Source: JAPAN_GHS)
LD50 Dermal Rabbit	3540 mg/kg (Source: NLM_HSDB)
LC50 Inhalation Rat	13000 ppm/4h
Proprietary Ingredient 15	
LD50 Oral Rat	> 10 g/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	3535 mg/kg (Source: NLM_CIP)
Proprietary Ingredient 19	
LD50 Oral Rat	120 mg/kg (Source: EU_CLH)
LD50 Dermal Rabbit	242 mg/kg
LC50 Inhalation Rat	0.11 mg/l/4h
Proprietary Ingredient 20	
LD50 Oral Rat	481 mg/kg (Source: IUCLID)
LC50 Inhalation Rat	1.23 mg/l/4h
ATE (Oral)	100.00 mg/kg body weight
ATE (Dermal)	300.00 mg/kg body weight
Proprietary Ingredient 18	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
Proprietary Ingredient 14	
LD50 Oral Rat	1720 mg/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	1025 mg/kg
LC50 Inhalation Rat	> 1487 mg/m ³ (Exposure time: 6 h)
ATE (Gases)	4,500.00 ppmV/4h
ATE (Vapors)	11.00 mg/l/4h
ATE (Dust/Mist)	1.50 mg/l/4h
Proprietary Ingredient 32	
LD50 Oral Rat	1820 mg/kg
LD50 Dermal Rabbit	11.9 ml/kg (Source: NLM_HSDB)
ATE (Dermal)	12,982.90 mg/kg body weight
Proprietary Ingredient 28	
LD50 Oral Rat	1020 mg/kg (Source: NZ_CCID)
LD50 Dermal Rat	> 2000 mg/kg (Source: ECHA_API)
Proprietary Ingredient 21	
LD50 Oral Rat	> 5000 mg/kg (Source: EPA_HPVS)
LD50 Dermal Rabbit	> 5000 mg/kg (Source: EPA_HPVS)
LC50 Inhalation Rat	> 5399 mg/m ³ (Exposure time: 4 h Source: EPA_HPVS)
Proprietary Ingredient 12	
LD50 Oral Rat	> 15000 mg/kg (Source: EPA_HPVS)
LD50 Dermal Rabbit	> 5000 mg/kg (Source: EPA_HPVS)
LC50 Inhalation Rat	> 2400 mg/m ³ (Exposure time: 4 h Source: EPA_HPVS)
LC50 Inhalation Rat	4.71 mg/l/4h (reported as > 4.7 mg/l/4h)
Proprietary Ingredient 16	
ATE (Oral)	500.00 mg/kg body weight
Proprietary Ingredient 29	
LD50 Oral Rat	1700 mg/kg (Source: JAPAN_GHS)
Proprietary Ingredient 30	
LD50 Oral Rat	22 g/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	> 20 g/kg (Source: NLM_CIP)

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Proprietary Ingredient 8	
LD50 Oral Rat	12960 mg/kg (Mouse)
Proprietary Ingredient 10	
LD50 Oral Rat	3200 mg/kg (Source: NLM_CIP)
LD50 Dermal Rat	> 15200 mg/kg (Source: NLM_CIP)
LC50 Inhalation Rat	> 3.55 mg/l (Exposure time: 6 h)
LC50 Inhalation Rat	5.33 mg/l/4h
Skin Corrosion/Irritation: Not classified.	
Serious Eye Damage/Irritation: Not classified.	
Respiratory or Skin Sensitization: Not classified.	
Germ Cell Mutagenicity: Not classified.	
Carcinogenicity: May cause cancer.	
Proprietary Ingredient 6	
IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 1	
IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 22	
IARC group	3
Proprietary Ingredient 23	
IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.
Proprietary Ingredient 24	
IARC group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 25	
IARC group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 26	
IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.
Proprietary Ingredient 27	
IARC group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 15	
IARC group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 18	
IARC group	3
Proprietary Ingredient 32	
IARC group	2B

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OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Proprietary Ingredient 17	
IARC group	3

Reproductive Toxicity: Suspected of damaging the unborn child.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs (kidneys, lung/respiratory system) through prolonged or repeated exposure (oral, Inhalation).

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: Irritation of the respiratory tract and the other mucous membranes. Cough, dyspnea (breathing difficulty), wheezing; decreased pulmonary function, progressive respiratory symptoms (silicosis). The lungs become very inflamed and may fill with fluid, causing severe shortness of breath and low blood oxygen levels. Inflammation, scarring, and symptoms progress faster in accelerated silicosis than in simple silicosis. Progressive massive fibrosis may occur in simple or accelerated silicosis, but is more common in the accelerated form. Progressive massive fibrosis results from severe scarring and leads to the destruction of normal lung structures.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Causes damage to organs (kidneys, lung/respiratory system) through prolonged or repeated exposure (oral, Inhalation). May cause cancer. Suspected of damaging the unborn child. This product contains crystalline silica. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis; a seriously disabling and fatal lung disease, and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects. Pulmonary function may be reduced and pre-existing lung diseases such as: emphysema or asthma may be aggravated by inhalation exposure to dusts. Smoking aggravates the effects of exposure. Inhalation may lead to a progressive massive fibrosis which may be accompanied by right heart enlargement, heart failure, pulmonary failure of the lung and susceptibility to pulmonary tuberculosis.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

Proprietary Ingredient 5	
LC50 Fish 1	41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	46300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: EPA)
NOEC Chronic Crustacea	4.2 mg/l
Proprietary Ingredient 7	
LC50 Fish 1	> 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static] Source: IUCLID)
EC50 - Crustacea [1]	> 1 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Proprietary Ingredient 13	
LC50 Fish 1	13 mg/l
EC50 - Crustacea [1]	25.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.26 – 4.6 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: IUCLID)
NOEC Chronic Crustacea	3.47 mg/l
Proprietary Ingredient 22	
LC50 Fish 1	243 – 275 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	69 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	125.5 – 190.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: EPA)
NOEC Chronic Crustacea	3.5 mg/l
NOEC Chronic Algae	86 mg/l
Proprietary Ingredient 23	
LC50 Fish 1	22.6 – 25.7 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

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EC50 - Crustacea [1]	2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	1510 µg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [2]	11.3 – 18 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	1 mg/l
Proprietary Ingredient 24	
LC50 Fish 1	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	163 mg/l (Exposure time: 48 h - Species: water flea [Static])
LC50 Fish 2	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static])
Proprietary Ingredient 25	
LC50 Fish 1	6.04 – 6.61 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 - Crustacea [1]	0.6 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through] Source: IUCLID)
EC50 - Crustacea [2]	7.9 – 14.1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
NOEC Chronic Crustacea	0.35 mg/l
NOEC Chronic Algae	0.22 mg/l
Proprietary Ingredient 26	
LC50 Fish 1	73 – 96 mg/l (Exposure time: 96 h - Species: Pimephales promelas Source: EPA)
EC50 - Crustacea [1]	137 – 300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Proprietary Ingredient 27	
LC50 Fish 1	28 (28 – 34) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.64 (3.64 – 6.15) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static] Source: EPA)
EC50 - Crustacea [2]	48.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Algae	1.9 mg/l
Proprietary Ingredient 15	
LC50 Fish 1	13.2 – 15.3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
ErC50 (Algae)	3.53 mg/l
NOEC Chronic Crustacea	0.2 mg/l
Proprietary Ingredient 20	
LC50 Fish 1	1.6 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 - Crustacea [1]	4.71 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	0.12 (0.12 – 0.3) mg/l (Exposure time: 48 h - Species: Daphnia magna [Flow through])
Proprietary Ingredient 18	
LC50 Fish 1	10600 (10600 – 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	1386 mg/l
LC50 Fish 2	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (Algae)	169 mg/l
NOEC Chronic Crustacea	16 mg/l
Proprietary Ingredient 14	
LC50 Fish 1	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: IUCLID)
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
ErC50 (Algae)	2.5 mg/l
NOEC Chronic Crustacea	0.85 mg/l (Daphnia)
Proprietary Ingredient 32	
LC50 Fish 1	4460 (4460 – 4980) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	55 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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LC50 Fish 2	1200 (1200 – 1580) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Other Aquatic Organisms 2	2.1 (2.1 – 2.3) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
ErC50 (Algae)	2.2 mg/l (Exposure time: 96 h - Species: Pseudokirchnerella subcapitata [Static])
NOEC Chronic Crustacea	0.78 mg/l
Proprietary Ingredient 28	
EC50 - Crustacea [1]	0.99 mg/l
Proprietary Ingredient 17	
LC50 Fish 1	10000 mg/l
Proprietary Ingredient 21	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Proprietary Ingredient 12	
LC50 Fish 1	> 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: IUCLID)
EC50 - Crustacea [1]	> 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Proprietary Ingredient 29	
LC50 Fish 1	7.2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	8.6 mg/l (Exposure time: 48 h - Species: Daphnia magna [static])
NOEC Chronic Fish	0.084 ppm
NOEC Chronic Crustacea	0.037 ppm
Proprietary Ingredient 10	
LC50 Fish 1	30 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 Fish 2	33 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 (Algae)	18.4 mg/l
NOEC Chronic Algae	3.28 mg/l

12.2. Persistence and Degradability

UNICOAT MAX COARSE RILLED NUETRAL/PASTEL BASE	
Persistence and Degradability	Not established.
Residual Monomers	
Persistence and Degradability	Readily biodegradable.

12.3. Bioaccumulative Potential

UNICOAT MAX COARSE RILLED NUETRAL/PASTEL BASE	
Bioaccumulative Potential	Not established.
Proprietary Ingredient 5	
Partition coefficient n-octanol/water (Log Pow)	-1.36
Proprietary Ingredient 22	
Partition coefficient n-octanol/water (Log Pow)	1.38 at 20 °C (at pH 7)
Proprietary Ingredient 23	
Partition coefficient n-octanol/water (Log Pow)	0.35 (at 25 °C)
Proprietary Ingredient 24	
BCF Fish 1	0.3 – 0.7
Partition coefficient n-octanol/water (Log Pow)	-0.42
Proprietary Ingredient 25	
BCF Fish 1	35.5
Partition coefficient n-octanol/water (Log Pow)	3.55 (at 23 °C)
Proprietary Ingredient 26	
Partition coefficient n-octanol/water (Log Pow)	-0.3 at 25 °C (at pH 7)

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Proprietary Ingredient 27	
Partition coefficient n-octanol/water (Log Pow)	0.45 – 0.63 at 25 °C (at pH 7)
Proprietary Ingredient 15	
BCF Fish 1	3.4 – 9.2
Partition coefficient n-octanol/water (Log Pow)	3.18
Proprietary Ingredient 19	
Partition coefficient n-octanol/water (Log Pow)	-0.26 at 20 °C (at pH 5)
Proprietary Ingredient 20	
Partition coefficient n-octanol/water (Log Pow)	-0.71 – 0.75 (at 20 °C)
Proprietary Ingredient 18	
BCF Fish 1	3.9
Partition coefficient n-octanol/water (Log Pow)	-2.53
Proprietary Ingredient 14	
Partition coefficient n-octanol/water (Log Pow)	-2.3 at 25 °C (at pH 6.8-7.3)
Proprietary Ingredient 32	
BCF Fish 1	no significant bioconcentration
Partition coefficient n-octanol/water (Log Pow)	-2.46 at 25 °C (at pH 6.8-7.3)
Residual Monomers	
Partition coefficient n-octanol/water (Log Pow)	0.93
Proprietary Ingredient 28	
Partition coefficient n-octanol/water (Log Pow)	0.99 at 20 °C (at pH 5)
Proprietary Ingredient 10	
Partition coefficient n-octanol/water (Log Pow)	3.2 at 25 °C (at pH 7)

12.4. Mobility in Soil

Residual Monomers	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	15

12.5. Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Not regulated for transport

14.2. In Accordance with IMDG

Not regulated for transport

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14.3. In Accordance with IATA

Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

UNICOAT MAX COARSE RILLED NUETRAL/PASTEL BASE	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Carcinogenicity Health hazard - Reproductive toxicity
Proprietary Ingredient 4	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 5	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	1 %
Proprietary Ingredient 7	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 6	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 9	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
Proprietary Ingredient 2	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 1	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 13	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
SARA Section 313 - Emission Reporting	1 % (includes anhydrous Ammonia and aqueous Ammonia from water dissociable Ammonium salts and other sources, 10% of total aqueous Ammonia is reportable under this listing)
Proprietary Ingredient 22	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %
Proprietary Ingredient 23	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
SARA Section 313 - Emission Reporting	0.1 %
Proprietary Ingredient 24	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	0.1 %

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Proprietary Ingredient 25	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	0.1 %
Proprietary Ingredient 26	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States SARA Section 302 Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	10 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb
SARA Section 313 - Emission Reporting	0.1 %
Proprietary Ingredient 27	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	0.1 %
Proprietary Ingredient 15	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 19	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
Proprietary Ingredient 20	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance. SP - SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
Proprietary Ingredient 18	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 14	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 32	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	1 %
Proprietary Ingredient 28	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 21	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 12	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Proprietary Ingredient 16	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
Proprietary Ingredient 29	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
Proprietary Ingredient 30	

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Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

Proprietary Ingredient 10

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

15.2. US State Regulations

Proprietary Ingredient 5

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 6

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Proprietary Ingredient 2

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Proprietary Ingredient 1

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Proprietary Ingredient 13

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 22

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 23

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 24

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 25

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 26

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

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U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 27

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 18

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Proprietary Ingredient 14

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Proprietary Ingredient 32

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Proprietary Ingredient 17

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List


Proprietary Ingredient 21

U.S. - Massachusetts - Right To Know List

Proprietary Ingredient 8

U.S. - New Jersey - Right to Know Hazardous Substance List

California Proposition 65

 **WARNING:** This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Ethylene glycol (107-21-1)		X		
Titanium dioxide (13463-67-7)	X			
Quartz (14808-60-7)	X			
Formaldehyde (50-00-0)	X			
1,4-Dioxane (123-91-1)	X			
Isopropylbenzene (98-82-8)	X			
Ethylene oxide (75-21-8)	X	X	X	X
Acetaldehyde (75-07-0)	X			
Benzophenone (119-61-9)	X			
Diethanolamine (111-42-2)	X			

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 06/11/2024
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

H220	Extremely flammable gas
H221	Flammable gas
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor

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H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)

AU_WES: Australia WES

CHEMVIEW: ChemView (U.S. Environmental Protection Agency)

EC_RAR: European Commission Renewal Assessment Report

EC_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits

ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports

ECHA_API: European Chemicals Agency API

ECHA_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

EPA: U.S. Environmental Protection Agency

EPA_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)

EPA_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)

EPA_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)

EPA_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)

EU_CLH: European Union Harmonised Classification and Labelling Proposal

EU_RAR: European Union Risk Assessment Report

FOOD_JOURN: Food Research Journal (1956)

IARC: The International Agency for Research on Cancer

IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles

IUCLID: International Uniform Chemical Information Database

JAPAN_GHS: Japan GHS Basis for Classification Data

JP_J-CHECK: Japan J-Check

KR_NIER: South Korea National Institute of Environmental Research Evaluations

NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme

NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)

NLM_CIP: National Library of Medicine ChemID plus database

NLM_HSDB: National Library of Medicine Hazardous Substance Data Bank

NLM_PUBMED: National Library of Medicine PubMed database

NTP: National Toxicology Program

NZ_CCID: New Zealand Chemical Classification and Information Database

OECD_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)

OECD_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)

WHO: World Health Organization

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)