



REFINED CONCRETE FLOOR SYSTEMS

Effective Date: May 15, 2020

Supersedes: New

According to 1907/2006/EC (REACH), 1272/2008/EC (CLP), & GHS

1. PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Product Name: Ultra4100® Self Leveling Underlayment
Product Use: Industrial Underlayment Flooring

Manufacturer: UltraPro Systems
7240 Standard Drive
Hanover, MD 21076
Toll Free: 667-701-1700

Emergency Telephone (24h): INFOTRAC 1-800-535-5053 (US & Canada)
1-352-323-3500 (International)

Medical Emergency: 1-800-535-5053

2. HAZARD(S) IDENTIFICATION

GHS Classification: Oral Toxicity, Acute Toxicity 4 - Oral >300+ <=2000mg/kg
Eye Corrosive, 1 - Serious eye damage: Irreversible damage 21 days after exposure,
Draize score: Corneal opacity >= 3, Iritis > 1.5
Skin Corrosive, 1C - Destruction of dermal tissue: Exposure < 4 hours Observation < 14 days,
visible necrosis in at least one animal
Skin Sensitizer 1, Skin Sensitizer
Carcinogen, 1A - Known Human Carcinogen Based on human evidence

Hazards Summary: Avoid contact with eyes and skin. Causes severe skin burns and eye damage. Harmful if swallowed. May cause an allergic skin reaction. The product may cause cancer.



Hazard Pictogram:

GHS Signal Word: **DANGER**

Hazard Statements:

H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H350: May cause cancer.

Precautionary Statements:

GENERAL

P101: Keep out of reach of children.
P103: Read label before use.

PREVENTION

- P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264: Wash thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P281: Use personal protective equipment as required.
 P310: Immediately call a POISON CENTER or doctor/physician.
 P321: Specific treatment, see supplemental first aid information.
 P330: Rinse mouth.
 P363: Wash contaminated clothing before reuse.

RESPONSE

- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P301 P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352: IF ON SKIN: Wash with soap and water
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P305+P351+P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
 P308+P313: IF exposed or concerned: Get medical advice/attention.
 P333+P313: If skin irritation or a rash occurs: Get medical advice/attention.

STORAGE

- P405: Store locked up.
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations. Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container, or both.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

COMPONENT	CAS #	PERCENT
Quartz	14808-60-7	40.00% - 50.00%
Limestone	1317-65-3	10.00% - 20.00%
Portland cement	65997-15-1	5.00% - 10.00%

4. FIRST AID MEASURES

- Eye:* Remove contacts lenses if worn. Rinse eyes with water immediately for 20 to 30 minutes while holding eyelids open. Seek medical attention if irritation persists.
Skin: Remove all contaminated clothing. Immediately wash affected skin with lukewarm water and soap, rinse thoroughly (20 min.). If skin irritation continues, consult a doctor.
Inhalation: Supply fresh air. If required, provide artificial respiration by qualified medical personnel. Keep patient warm. Consult doctor if symptoms persist.
Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting. Call for medical help immediately.

Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

<i>Flash Point:</i>	1,828° F (998 ° C)
<i>Flammability Limit:</i>	LEL: Not flammable under normal conditions. UEL: Contact with water may cause hydration, and formation of caustic alkaline material.
<i>Extinguishing Media:</i>	Any standard extinguishing media (alcohol resistant foam, fire extinguishing powder, Carbon Dioxide/CO ² , dry chemical, etc.). Do not use water.
<i>Special Hazards Arising from the Substances of Mixture:</i>	Formation of toxic gases is possible during heating or in case of fire.
<i>Hazardous Combustion Products:</i>	Carbon oxides, Sulphur oxides, Calcium oxides, Aldehydes
<i>Fire Fighting Procedures:</i>	Wear self-contained respiratory protective device and other proper protective equipment.
<i>Fire Equipment:</i>	Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

<i>Personal Precautions, Protective Equipment and Emergency Procedures:</i>	Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothing. Remove all non-essential people from the affected area. Ensure adequate ventilation. Wear protective equipment.
<i>Environmental Precautions:</i>	Do not allow to enter sewers/ surface or ground water. Prevent seepage into sewage system, work pits and cellars.
<i>Methods and Materials for Containment and Cleaning Up:</i>	Ensure adequate ventilation. Pick up and arrange disposal without creating dust. Dispose of the collected material according to regulations.
<i>Reference to Other Sections:</i>	For personal protection see Section 8. For disposal information see Section 13.

7. HANDLING AND STORAGE

<i>Handling:</i>	Avoid formation of respirable particles. Ensure good ventilation at the workplace. Do not breath vapor/dust. Do not get in eyes, on skin, or on clothing. Make sure that all applicable workplace limits are observed.
<i>Storage:</i>	Store in cool, dry conditions in tightly sealed receptacles. Protect from humidity and water. Storage temperature 50° F (10° C). Do not store together with oxidizing and acidic materials.
<i>Requirements to be Met by Storerooms and Receptacles:</i>	Observe all local and national regulations for storage of water polluting products.
<i>Specific End Use(s):</i>	No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT / CAS #	OSHA Exposure Limit	ACGIH Exposure Limits	Other Exposure Limits
Quartz 14808-60-7	Not Established	0.025 mg/m ³ TWA (respirable fraction)	NIOSH: 0.05 mg/m ³ TWA (respirable dust)
Limestone 1317-65-3	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	Not Established	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
Portland Cement 65997-15-1	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	1 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)

<i>Additional Information:</i>	The lists that were valid during the creation were used as a basis.
<i>Introductory remarks:</i>	<i>The usual precautionary measures are to be adhered to when handling chemicals. Do not eat, drink, smoke or sniff while working. Keep away foodstuffs, beverages, and food. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.</i>
<i>Working Hygiene:</i>	Take usual precautions when handling. Do not eat, drink, smoke or sniff while working. Keep away from foods and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
<i>Respiratory protection:</i>	Use suitable respirator protective device in case of insufficient ventilation, required if TLV exceeded. Use suitable respiratory protective device when dust and fumes is formed. NIOSH/MSHA respirator is advised.
<i>Eye Protection:</i>	Safety glasses with side shields, goggles preferred.
<i>Skin Protection:</i>	Choose body protection according to the amount and concentration of the dangerous substance at the workplace. An eyewash and safety shower stations should be available in the work area.
<i>Hand Protection:</i>	Chemical resistant gloves: to avoid skin problems, the glove material has to be impermeable and resistant to the product/ the substance/ the preparation. <u>Material of Gloves:</u> High-quality neoprene, butyl rubber gloves, the selection of <u>Penetration time of Glove Material:</u> Protective gloves should be replaced at the first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey Powder	Odor	Low
pH	10-12	Viscosity	N/A
Vapor Density	N/A	Vapor Pressure	N/A
Grams VOC Less Water	0.0%	Solubility	Not Tested
Freezing Point	N/A	Boiling Point	N/A

10. STABILITY AND REACTIVITY

<i>Reactivity:</i>	Stable under recommended storage conditions. Interaction with water may cause hydration and formation of alkaline material. No decomposition if stored and applied as directed.
<i>Chemical Stability:</i>	No decomposition if stored and applied as directed.
<i>Hazardous Reactions:</i>	None known. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

<i>Mixture Toxicity:</i>	Oral Toxicity LD50: 1,163mg/kg
<i>Component Toxicity</i>	
<i>Toxicological Effects Routes of Entry:</i>	No Data Available
<i>Target Organs:</i>	Eyes. Skin. Respiratory System.
<i>Carcinogenic Effects:</i>	The following chemicals comprise 0.1% or more of this mixture and are listed and or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing). <u>Description:</u> Quartz <u>CAS #:</u> 14808-60-7 <u>% by Weight:</u> 40-50% Carcinogen rating NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

12. ECOLOGICAL INFORMATION

<i>Persistence and Degradability:</i>	No further relevant information available
<i>Bio accumulative Potential:</i>	No further relevant information available.
<i>Mobility in Soil:</i>	Distribution among environmental compartments: No further relevant information available. Additional Ecological Information:
<u>General notes:</u>	German Hazard Water Class NWG. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
<i>Results of PBT and vPvB Assessment:</i>	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).
<i>Other Adverse Effects:</i>	No further relevant information available.
<i>Toxicity: Component</i>	N/A
<i>Ecotoxicity:</i>	

13. DISPOSAL

<i>Waste Disposal:</i>	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches the chemical or used container. Offer surplus and non-recyclable solutions to a licensed disposal company. Send to a licensed waste management company.
<i>Container Handling:</i>	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.
<i>Additional Information:</i>	None known.

14. TRANSPORTATION INFORMATION

<i>Ground Classification.:</i>	Not regulated by US DOT
<i>Shipping Name:</i>	Ultra4100 Self Leveling Underlayments
<i>UNFIC:</i>	None
<i>ID Number:</i>	None
<i>Packaging Group:</i>	None
<i>Labels:</i>	No US DOT Labels

15. REGULATION

<i>Prop. 65:</i>	Chemicals Known to Cause Developmental Toxicity: Chemicals Known to Cause Cancer:
<i>US / CERCLA/SARA:</i>	Hazardous Substances and their Reportable Quantities: Section 302 Extremely Hazardous Substances EPCRA RQs: Section 302 Extremely Hazardous Substances TPQs: Section 313 - Emission Reporting:
<i>TSCA:</i>	None.
<i>Country: (TS)</i>	USA - Regulation: Inventory - United States - Section 8(b) Inventory All components Listed: Yes Canada – Regulation: DSL (Canadian Domestic Substance List) All components Listed: Yes

ABBREVIATIONS:

CAS #	Chemical Abstract Service Number	EINECS	European Inventory of existing Commercial Chemical Sales
°C	Celsius temperature scale	°F	Fahrenheit temperature scale
Prop.	Proprietary	PE	Personal Protective Equipment
TLV	Threshold Limit Value	TWA	Time Weighted Average
STEL	Short-term	PEL	Permissible Exposure Limit
OSHA	Occupational Safety & Health	NIOSH	National Institute of Safety & Health
NFPA	National Fire Protection Agency	WHMIS	Workplace Hazardous Materials Info System
NTP	National Toxicology Program	IARC	Int. Agency for Research on Cancer
RCRA	Resource Conservation Recovery Act	TSCA	Toxic Substance Control Act
EC50	Effective Dose	LC50	Lethal Inhalation Concentration
LD50	Lethal Dose	CAS	Chemical Abstract Service Number
LEL	Lower explosive limit	UEP	Upper explosive limit
NDA	No Data Available	ND	Not determined
NE	None established	NA	Not Applicable
<	Less Than or Equal To	>	Greater Than or Equal To
CNS	Central Nervous System	CI	China
DSL	Canada	ECL	Korean Existing Chemicals List
EEC	European Economic Commission	ENCS	Japanese Existing and New Chemical
EU	European Union	MAC	Netherlands
MAK	Germany	MITI	Japan
PICCS	Philippines	SWISS	Giftlist 1
UK	United Kingdom	USA	United States
VOC	Volatile organic content	ACGIH	American Conference of Government Industrial Hygienists
SARA	Superfund Amendments and Reauthorization Act		
AICS	Australian Inventory of Chemical Substances		
IARC	International Agency for Research on Cancer		
Taiwan	List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086		

16. OTHER INFORMATION

Disclaimer: The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate based on the data available. The manufacturer makes no warranty expressed or implied regarding the accuracy, results or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. Because use conditions and applicable laws may differ from one location to another and may change with time, Recipient is responsible for determining whether the information is appropriate for recipient's use. Accordingly, we assume no responsibility for injury from the use of this product. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet

Date of Preparation: January 20, 2021