Safety Data Sheet

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SECTION 1: Product and Company Identification

1.1 Product identifiers

Product Name	Veranda Ultra Light
Producer	Eovations, LLC
Product Number	n/a
CAS-No.	n/a - mixture

1.2 Identified uses of the product and uses advised against

Identified Uses	Building materials, construction - solid rigid board profiles; Colors: brown, grey, red, white

1.3 Details of the chemical supplier

Company	Eovations, LLC
Address	5 Meadowcraft Parkway Selma, AL 36701 USA
Telephone	+1 (334) 872-1580
Fax	+1 (334) 877-4016
Website	www.eovationsllc.com
E-mail	info@eovationsllc.com

1.4 Emergency phone number

Emergency phone number	+1 (800) 424-9300 (CHEMTREC Emergency Telephone, 24 hrs-a-day / 7 days-a-week)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture according to GHS

May form combustible dust concentrations in air (during processing). Under normal handling, the product is expected to pose low health hazards as the ingredients (colorants, stabilizers, processing additives) are firmly embedded in a polymeric matrix. Dusts generating from sawing, sanding, or machining of this product may post the health hazards described in this SDS.

GHS Class	Not a hazardous substance or mixture in its manufactured form. May form combustible dust concentrations in air during post processing operations

Classification system

The classification is according to the latest editions of GHS and extended by company and literature data.

2.2 GHS Label elements, including precautionary statements

GHS pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	None
WHMIS-symbols	Not hazardous under WHMIS

NFPA ratings (scale 0 – 4)

Health - 0
Fire - 0
Reactivity - 0

HMIS ratings (scale 0 – 4)

Health - 0
Fire/flammability - 0
Reactivity/physical hazard - 0

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Complete toxicity data are not available for this specific formulation.

Results of PBT and vPvB assessment

PBT	Not applicable
vPvB	Not applicable

Potential route of overexposure to this product may include eye and skin contact, and inhalation of excessive amounts of dust or heat-released vapors. Ingestion is not expected to be a significant route of exposure for this product under normal use conditions. Product is a non-toxic solid material having minimal odor. Dust from grinding, sawing, or cutting and other heat-released emissions may be irritating to the eyes, skin, and respiratory system. Under fire conditions, product will readily burn and emit a heavy, irritating smoke.

SECTION 3: Composition/Information on Ingredients

3.1 Product mixture

Synonyms	Polymeric/plastic composite boards,
Formula	Not applicable
Molecular wt	Not applicable
CAS-No.	Not applicable

Chemical Name	CAS-No.	Ingredient Percent
1-Propene, polymer with ethene	9010-79-1	30 - 65 %
Limestone	1317-65-3	20 - 60 %
Proprietary additive	n/a	7 %

Remarks	There are no additional hazardous ingredients greater than or equal to 1.0 wt% concentration or carcinogenic ingredients greater than or equal to 0.1 wt% concentration.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	No hazards under normal use. Dusts and particles from grinding or sawing may cause skin irritation to open cuts and irritated skin. Rinse off with plenty of water. Consult a physician if symptoms occur.
Eye contact	If dust or particles contact the eyes rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	If dust or particles are breathed in, move person to fresh air. Consult a physician if difficulties in breathing or other symptoms occur.
Ingestion	Rinse mouth with water and consult a physician if gastrointestinal or other symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Other first aid	No data available

SECTION 5: Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Special hazards	Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Decomposition products may include the follow materials: Carbon monoxide, carbon dioxide aldehydes, alcohols, organic acids. Decomposition products can include trace amounts of hydrocarbons. Dust from sawing, sanding, or machining can be explosive in the presence of an ignition source depending on particle size and moisture content.

5.3 Advice for firefighters

Protective equipment	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions	Avoid contact with skin and eyes. Avoid breathing vapors, mist or dust. Ensure adequate ventilation in areas where dust can accumulate. Remove all sources of ignition during processing applications. Dust can accumulate in low areas when dealing with large quantities. Launder contaminated clothing prior to re-use. For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions	Prevent runoff into sewers and drains. Recover as much of the material as possible. Prevent further leakage and safe to do so.

6.3 Methods and materials for containment and cleaning up

Methods for cleanup	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with a shovel or mechanical means and place in container for disposal according to local regulations (see Section 13). Prevent accumulation of vapours/ dust during clean up. Keep in suitable, closed containers for disposal. Contain spillage.

6.4 References to other sections

Other references	For disposal see section 13.

SECTION 7: Handling and Storage

7.1 General hygiene considerations

General hygiene	Avoid contact with eyes. Avoid inhalation of vapor or dust. Use local exhaust or general dilution ventilation to control exposure and dust within applicable limits. Keep away from high temperatures and sources of ignition. For precautions see section 2.2. Wash hands after use. Individuals with respiratory disease, including but not limited to asthma and bronchitis, or subject to eye irritation, should not be exposed to dust overexposures.

7.2 Precautions for safe handling

Safe handling precautions	Keep container tightly closed in a dry and well-ventilated place. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Keep away from high temperatures and potential sources of ignition. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Avoid storing in temperatures in excess of 150°F.

7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions	Store product in a dry environment, away from strong bases and oxidizers. Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

OSHA PEL	Limestone - General Industry: 29 CFR 1910.1000 Table Z-1 - 15 mg/m^3 TWA; Maritime: 29 CFR 1915.1000 Table Z-Shipyards - 15 mg/m^3 TWA
ACGIH TLV	Limestone - 10 mg/m^3 TWA; The value is for particulate matter containing no asbestos and <1% crystalline silica. (TLV listed under Calcium Carbonate)
NIOSH REL	Limestone - 10 mg/m^3 TWA

8.2 Appropriate engineering controls

Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of day. Use adequate ventilation where dust forms to keep concentration under exposure control limits. Keep away from high temperatures and sources of ignition.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye/face protection	Safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Hand protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of

	contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body protection	Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Solid, various colors
b)	Odor	No data available
c)	Odor threshold	No data available
d)	pH	No data available
e)	Melting/freezing point	160°C (320°F) - approx.
f)	Boiling point	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Relative density	< 1.0 g/mL
n)	Water solubility	Insoluble
o)	Partition coefficient octanol/water	No data available
p)	Auto-ignition temp	No data available
q)	Decomposition temp	No data available
r)	Viscosity	No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

Reactivity	Non-reactive under normal conditions.

10.2 Chemical stability

Chemical stability	Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions	Fine polymer dust can form combustible concentrations in the air. Keep away from heat, sparks, flame, and high temperatures.

10.4 Conditions to avoid

Conditions to avoid	Contact with incompatible chemicals and exposure to extremely high temperatures. Dust accumulation, dispersion of dust in air, high temperatures, open flame, sparks, or other sources of ignition. Product may distort of soften at temperatures above 140°C and will undergo decomposition under fire/combustion conditions.

10.5 Incompatible materials

Incompatible materials	Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents.

10.6 Hazardous decomposition products

Hazardous products	Thermal decomposition may emit irritating fumes or gases of carbon monoxide, carbon dioxide, aldehydes, or organic acids.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	No data available

Acute intravenous toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available

Skin corrosion/irritation

Skin corrosion irritation	May cause irritation to open cuts and irritated skin

Serious eye damage/eye irritation

Eye damage/eye irritation	Dust may cause irritation to eyes

Respiratory or skin sensitization

Respiratory sensitizer	No data available
Skin sensitizer	No data available

Germ cell mutagenicity

Mutagenicity	No data available

Carcinogenicity

Carcinogenicity	No data available

Suspected cancer agent

NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.

Reproductive toxicity

Reproductive toxicity	No data available

Aspiration hazard

Aspiration hazard	No data available

SECTION 12: Ecological Information

12.1 Ecotoxicity (aquatic and terrestrial)

Ecotoxicity	No data available

12.2 Persistence and degradability

Degradability	No data available

12.3 Bioaccumulation potential

Bioaccumulation	No data available

12.4 Mobility in soil

Mobility in soil	No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment	Not available as chemical safety assessment not required/not conducted.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal	Waste disposal must be in accordance with appropriate Federal, State, and local regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

SECTION 14: Transport Information

DOT

Not dangerous goods.

IMDG

Not dangerous goods.

IATA

Not dangerous goods.

SECTION 15: Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	No hazards.
TSCA	All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements.
CA Prop 65	This product does not contain chemicals known to the state of California to cause cancer.

SECTION 16: Other Information

HMIS Rating	Health hazard - 0 Flammability - 0 Physical Hazard 0
NFPA Rating	Health hazard - 0 Fire Hazard - 0 Reactivity Hazard - 0
Revision Date	20 April 2017

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Eovations assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Eovations assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms

IMDG - International Maritime Code for Dangerous Goods
IATA - International Air Transport Association
GHS - Globally Harmonized System of Classification and Labelling of Chemicals
PBT - Persistent, bioaccumulative and toxic assessment
vPvB - Very persistent and very bioaccumulative assessment
ACGIH - American Conference of Governmental Industrial Hygienists
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
CAS - Chemical Abstracts Service (division of the American Chemical Society)
NFPA - National Fire Protection Association
HMIS - Hazardous Materials Identification System
CFR - Code of Federal Regulations
SARA - Superfund Amendments and Reauthorization Act
DOT - US Department of Transportation
EC50 - Half maximal effective concentration
LD50 - Median lethal dose
LC50 - Median lethal concentration
SDS - Safety Data Sheet
PEL - Permissible Exposure Limit
TSCA - Toxic Substances Control Act