

Safety Data Sheet

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

Revision date: 06/14/2016

Supersedes: 12/02/2015

SECTION 1:**PRODUCTION AND COMPANY IDENTIFICATION****PRODUCT****Product Identifier:** Evolve Plastic Lumber**Product form:** cellular solid**CAS No.:** None**Formula:** N/A**Synonyms:** HDPE Plastic Lumber, Recycled Plastic Lumber**Intended Use:** Plastics, Plastic Decking, Plastic Manufacturing**COMPANY IDENTIFICATION****Manufacturer/Supplier:****N.E.W. Plastics Corp. / RENEW Plastics**

112 Fourth Street

PO Box 480

Luxemburg, WI USA 54217-0480

920-845-2326

Emergency telephone number**Emergency number:** 920-845-2326**SECTION 2:****HAZARDS IDENTIFICATION**

This cellular solid material has been evaluated as a whole. Information provided on the health effects of this product are based on the product as a whole.

Classification of the substance or mixture: Not Classified**GHS-US classification:** Not Classified**Signal Word:** No Signal Word**Hazard Statements:** No known significant effects or critical hazards.**Precautionary Statements:****General:** N/A**Prevention:** N/A**Response:** N/A**Storage:** N/A**Disposal:** N/A**Other hazards**

No additional information available

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SECTION 3:

COMPOSITION/INFORMATION ON INGREDIENTS

Substance: Cellular Solid

Chemical Name: HDPE/LDPE Cellular Solid

CAS number /other identifiers

Name	Product Identifier	Concentration*	CAS Number
HDPE	Plastic Resin	90-99	9002-88-4
Azodicarbonamide	Foaming agent	0-2	123-77-3
Colorant	Mixture Color Concentrate	2-8	n/a

*All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

Full text of H-phrases: see section 16

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

SECTION 4:

FIRST AID MEASURES

Description of first aid measures

First-aid measures general: First Aid measures pertain to dust and chips created during fabrication of product.

First-aid measures after inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact: Wash skin with soap and water. Remove contaminated clothing.

First-aid measures after eye contact: Flush eyes with water.

First-aid measures after ingestion: Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact: No significant effects or critical hazards.

Symptoms/injuries after inhalation: No significant effects or critical hazards.

Symptoms/injuries after eye contact: No significant effects or critical hazards.

Symptoms/injuries after ingestion: No significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat Symptomatically. Contact poison control specialist if large quantities have been ingested of inhaled.

Specific treatments: none

Protection of first aiders: no action shall be taken involving any personal risk or without suitable training.

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SECTION 5:

FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Dry chemical, water spray(fog), CO₂,

Unsuitable extinguishing media: none known

Special hazards arising from the substance or mixture

Fire hazard: no specific fire or explosion hazard

Reactivity: No specific reactivity hazard, product is stable.

Advice for firefighters

Firefighting instructions: Isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk without suitable training.

Protection during firefighting: Firefighters should wear full protective gear and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6:

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment: No action shall be taken involving any personal risk without suitable training.

Emergency procedures: No action shall be taken involving any personal risk without suitable training.

Take note of any information in section 8 on suitable and unsuitable materials. See also the information in "for non-emergency personnel."

For emergency responders

Protective equipment: No action shall be taken involving any personal risk without suitable training.

Take note of any information in section 8 on suitable and unsuitable materials. See also the information in "for non-emergency personnel."

Environmental precautions

Prevent entry to sewers and public waters. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, and air).

Methods and material for containment and cleaning up

Methods for cleaning up: When producing dust and/or by product chips, sweep, scoop, vacuum and remove. Dispose of via licensed waste disposal contractor. Dispose of as normal refuse in accordance with applicable federal, state or local regulations.

Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7:

HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling: Evolve is not intended for heavy structural applications. Heat only in areas with appropriate exhaust ventilation. Avoid breathing thermal decomposition products generated during processing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store away from combustible materials.

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SECTION 8:
EXPOSURE CONTROLS/PERSONAL PROTECTION
Exposure controls

Ventilation: Provide local exhaust ventilation and general room to maintain exposure concentrations of thermal decomposition products below the respective OSHA PEL's. Ventilation may be required for the following processes: Hot melting, cutting, sawing, machining regrinding, thermoforming, and other post processing operations involving heat sufficient enough to cause thermal degradation.

Respiratory Protection: No personal respiratory protective equipment normally required.

Eye/Face Protection: Safety glasses with side shields.

Hand Protection: Wearing gloves when handling material is not necessary, but recommended.

Skin and Body Protection: Long sleeve clothing

Additional Protective Measures: Safety shoes, and a work overall may be worn for extended periods of handling.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the work day.

Engineering Measures: Heat only in areas with appropriate exhaust ventilation. Provide appropriate exhaust ventilation at machinery.

SECTION 9:
PHYSICAL AND CHEMICAL PROPERTIES
Information on basic physical and chemical properties

Physical state	:	Cellular Solid
Appearance	:	Plastic Profile
Color	:	White, Black, Gray, Brown, Tan
Odor	:	none
Odor threshold	:	Not determined
pH	:	NA
Relative evaporation rate (butyl acetate=1)	:	Not determined
Melting point	:	Not determined
Freezing point	:	No data available
Boiling point	:	NA
Flash Point	:	Not determined
Decomposition Temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	0.764 g/cm ³ (at 25 °C)
Solubility	:	Negligible
Explosive properties	:	NA
Oxidizing properties	:	NA

Other information

No additional information available

NA = Not Applicable

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SECTION 10:**STABILITY AND REACTIVITY****REACTIVITY:** See sub-sections below**STABILITY:** This product is stable if stored and handled under anticipated conditions of use.**CONDITIONS TO AVOID:** Excessive heat, open flame, sparks, and oxidizing agents.**INCOMPATIBLE MATERIALS:** Incompatible with strong acids and oxidizing agents.**HAZARDOUS DECOMPOSITION:** Products thermal degradation generates carbon oxides (CO, CO₂) nitrogen oxide (NO_x). May release flammable gases.**SECTION 11:****TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity:** Not classified**Skin corrosion/irritation:** Not classified**Serious eye damage/irritation:** Not classified**Respiratory or skin sensitization:** Notclassified **Germ cell mutagenicity:** Notclassified **Carcinogenicity:** Not classified**Reproductive toxicity:** Not classified**Specific target organ toxicity (single exposure):** Not classified**Specific target organ toxicity (repeated exposure):** Not classified**Aspiration hazard:** Not classified**Symptoms/injuries after inhalation:** May cause respiratory irritation**Symptoms/injuries after eye contact:** May cause eye irritation.**Symptoms/injuries after ingestion:** May cause gastrointestinal irritation.**SECTION 12:****ECOLOGICAL INFORMATION****Persistence and degradability:** Not readily biodegradable**Environment Toxicity:** Not established**Bioaccumulation Toxicity:** Not established**Additional Advice:** No data available**SECTION 13:****DISPOSAL CONSIDERATIONS****Product:** Like most thermoplastics the product can be recycled, where possible recycling is preferred to disposal. Dispose of in accordance with applicable federal, state/provincial and local regulations.**Contaminated byproduct (regrind):** Dispose of as normal refuse.**SECTION 14:****TRANSPORT INFORMATION****HS Code:** 391610**US DOT Classification:** Not regulated for transportation**Proper Shipping Name:** EVOLVE Dimensional Lumber

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SECTION 15:

REGULATORY INFORMATION

US Federal regulations: Not applicable

OSHA Status: Not applicable

TSCA Status: Not applicable

SECTION 16:

OTHER INFORMATION

The information and recommendations contained herein are, to the best of N.E.W. Plastics Corp. knowledge and belief, accurate and reliable as of the date issued. You can contact N.E.W. Plastics Corp. to insure that this document is the most current available from N.E.W. Plastics Corp. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users. Alteration of this document is strictly prohibited. Except to the extent required by law, re-publication or retransmission of this document, in whole or in part, is not permitted.

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