

Safety Data Sheet

Version Number 1.0

Revision date: 4/12/2021

## SECTION 1:

## PRODUCTION AND COMPANY IDENTIFICATION

### PRODUCT

**Product Identifier:** Trimax Black, Trimax Structural Black, Trimax Semi Structural Black

**Product form:** cellular solid

**CAS No.:** None

**Formula:** N/A

**Synonyms:** HDPE Composite 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 not been evaluated as a whole. Information provided on the health effects of this product are based on individual components.

**Classification of the substance or mixture:** Not Classified

**Signal Word:** No Signal Word

**Hazard Statements:**

**Carcinogenicity:**

Fiber Glass (Continuous Filament) (65997-17-3) ACGIH: A4 – Not classifiable as a human carcinogen.

IARC: Group 3 “not classifiable as to its carcinogenicity to humans”

June 1987 meeting

Carbon black has been evaluated by IARC as possibly carcinogenic to humans (Group 2B) based on "sufficient evidence" in animals and "inadequate evidence in humans". Recent evidence indicates that the phenomenon of carcinogenicity in the rat lung is species-specific, resulting from persistent overloading of the rat lung with poorly soluble particles depends on numerous factors including, but not limited to, the manufacturing process and the ability of the analytical procedure to identify and measure extractable PAHs. High purity furnace blacks contain PAHs not exceeding 0.5 PPM. There are no known human carcinogenic effects related to the PAH content of carbon blacks. Recent research has shown that the PAH content of carbon blacks is not released in biological fluids and thus not available for biological activity, according to information from Carbon Black manufacturers and the ICBA (International Carbon Black Association). Carbon Black is a California Proposition 65 listed substance if all three qualifiers are met (Airborne, unbound (not bound within a matrix), and respirable size (10 micrometers or less in diameter)

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**Precautionary Statements:**

**General:** Carbon Black (airborne, unbound particles of respirable size  $\leq$ 10 micrometers) is a California Proposition 65 listed substance. As sold, the carbon black is encapsulated into a polymer matrix.

**Prevention:** N/A

**Response:** N/A

**Storage:** N/A

**Disposal:** N/A

**Other hazards: Primary Route(s) of Exposure: Inhalation, lungs, skin and eye**

**Most important symptoms and effects, both acute and delayed**

**Symptoms/injuries after skin contact:** Dusts from this product may cause temporary mechanical minor irritation to the skin.

**Symptoms/injuries after inhalation:** Dusts from this product may cause mechanical irritation of the nose, throat and respiratory tract.

**Symptoms/injuries after eye contact:** Dusts from this product may cause temporary mechanical irritation to the eyes.

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

**SECTION 3:**

**COMPOSITION/INFORMATION ON INGREDIENTS**

Substance: Cellular Solid

Chemical Name: HDPE Cellular Solid Composite

**CAS number /other identifiers**

Name	Product Identifier	Concentration*	CAS Number
HDPE	Plastic Resin	60-93	9002-88-4
Glass Fiber	Fiber Glass (non-respirable)	7-40	65997-17-3
Azodicarbonamide	Foaming agent	0-2	123-77-3
Colorant	Carbon Black	<2	1333-86-4

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

This product may be regulated, have exposure limits or other information identified as the following:

fibrous glass and nuisance particulates

Carbon Black has been evaluated by IARC as possibly carcinogenic to humans (Group 2B). This product contains chemical(s) known to the State of California to cause cancer and/or birth defects or other reproductive harm. Carbon Black (airborne, unbound particles of respirable size) is listed on Proposition 65.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazards to health or the environment and hence require reporting in this section.

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**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. If affected by fumes from heated material, remove from source of exposure and move affected person to fresh air.

**First-aid measures after skin contact:** Wash skin with soap and water. Remove contaminated clothing. Do not wash with warm water because this will open up the pores of the skin, which will cause further penetration of the fibers. Use a washcloth to help remove dust fibers. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force dust fibers into the skin.

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

**First-aid measures after ingestion:** Rinse mouth. Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention if irritation persists.

**SECTION 5:****FIRE FIGHTING MEASURES****Extinguishing media**

**Suitable extinguishing media:** Dry chemical, water spray(fog), CO<sub>2</sub>,

**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.

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## 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.

#### **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.

#### **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 into a suitable container for disposal as a non-hazardous waste. 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:** Minimize dust generation; use with adequate ventilation. Avoid breathing dust and thermal decomposition products generated during processing. Use standard safety glasses with side shields when fabricating the product.

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

#### **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 to cause thermal degradation.

Fiber Glass Continuous Filament (65997-17-3)

Ingredient	OSHA PEL (8-hr TWA)	ACGIH TLV (8-hr TWA)
Non-respirable fibers and particulate	15 mg/m <sup>3</sup> (total dust) (a)	5 mg/m <sup>3</sup> (inhalable fraction)
Carbon Black (pigment black)	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

**Respiratory Protection:** A properly fitted NIOSH approved disposable dust respirator should be used when high dust levels are encountered, the level of glass fibers in the air exceeds the occupational exposure limits, or if irritation occurs.

**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 to reduce exposure:** Provide appropriate exhaust ventilation at machinery where occasional fine dust may be created.

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

<b>Physical state</b>	: Cellular Solid
<b>Appearance</b>	: Plastic Profile
<b>Color</b>	: Various
<b>Odor</b>	: none
<b>Odor threshold</b>	: Not determined
<b>pH</b>	: NA
<b>Relative evaporation rate (butyl)</b>	: Not determined
<b>Melting point</b>	: >250°F
<b>Freezing point</b>	: No data available
<b>Boiling point</b>	: NA
<b>Flash Point</b>	: Not determined
<b>Decomposition Temperature</b>	: No data available
<b>Flammability (solid, gas)</b>	: No data available
<b>Vapor pressure</b>	: No data available
<b>Relative vapor density at 20 °C</b>	: No data available
<b>Relative density</b>	: No data available
<b>Density</b>	: 0.78-0.95 g/cm <sup>3</sup> (at 25 °C)
<b>Solubility</b>	: Negligible
<b>Explosive properties</b>	: NA

**Oxidizing properties**

: NA

**Other information**

No additional information available

NA = Not Applicable

**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, CO<sub>2</sub>) nitrogen oxide (NO<sub>x</sub>).

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**SECTION 11:****TOXICOLOGICAL INFORMATION****Information on toxicological effects**

**Acute toxicity:** Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing.

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Not classified

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** 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:** 39269099

**US DOT Classification:** Not regulated for transportation

**Proper Shipping Name:** TRIMAX Structural Lumber



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**SECTION 15:**

**REGULATORY INFORMATION**

Not applicable

**OSHA Status:** Not applicable

**TSCA Status:** Not applicable

**SECTION 16:**

**OTHER INFORMATION**

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