

Duro-Last[®] 20-Mil Modular Membrane

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name: Duro-Last[®] 20-Mil Modular Membrane
Version: 1
Identifier 1: Unreinforced 20-Mil Membrane
Identifier 2: N/A
Product Type: PVC Sheeting
Product Use: Temporary Membrane

Company Information: Duro-Last[®], Inc.
 525 W Morley Dr.
 Saginaw, MI 48601
 Phone: (800) 248-0280
 Internet Address: www.duro-last.com

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

SECTION 2	HAZARD(S) IDENTIFICATION
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Hazard Classification: As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, this product is considered an article and does not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, Duro-Last[®] would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

Pictogram(s): N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Hazardous Ingredients

Chemical Name	CAS Number	Concentration (%)
Ethene, Chloro-homopolymer	9002-86-2	50.00 – 60.00
Titanium Dioxide	13463-67-7	4.00 – 6.00
Calcium Carbonate	471-34-1	<9.00
Carbon Black	1333-86-4	<2.00

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

SECTION 4

FIRST-AID MEASURES

Eye Contact:	Immediately flush eye(s) with plenty of water, occasionally lifting the upper and lower eyelids and continue to rinse for at least 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation persists.
Inhalation:	Move to fresh air and seek medical attention if breathing is affected.
Skin Contact:	Wash off with soap and plenty of water after use. Contact a physician if rash or severe irritation develops.
Ingestion:	Drink plenty of water. Call a physician or poison control center immediately. Move victim to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recover position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.
Most Important Symptoms and Effects, Both Acute and Delayed:	Irritant effects.
Protection of First-Aiders:	No action shall be taken involving any personal risk or without suitable training. Use personal protective equipment as required (see Section 8). Show this Safety Data Sheet to the doctor in attendance.
Notes to Physician:	Treat symptomatically.

SECTION 5

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, foam, dry chemical or Carbon Dioxide.
Hazardous Combustion Products:	Hydrogen Chloride gas, Carbon Monoxide, and Carbon Dioxide. Hazardous emissions may occur during processing at elevated temperatures.
Specific Precautionary Methods:	No information available.
Special Protective Equipment for Firefighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) pressure-demand, MSHA/NIOSH (approved or equivalent).

SECTION 6

ACCIDENTAL RELEASE MEASURES

Handling Precautions:	Use personal protective equipment as required. Deny access to unprotected persons. No smoking. Avoid breathing fumes when heat welding.
Environmental Precautions:	Do not flush into or allow material to enter surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
Regulatory Requirements:	Follow applicable OSHA regulations (29 CFR 1940.120).

SECTION 7

HANDLING AND STORAGE

Handling Precautions: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink, or smoke when using this product. Use personal protective equipment as required. Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should take caution when heat welding the product.

Storage Requirements: Keep in a well-ventilated place. Observe label precautions and do not store in unlabeled containers. Store in accordance with federal, state, and local regulations.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	Basis	Value	Exposure Limit(s)* / Form of Exposure
Ethene, Chloro-, Homopolymer	-	-	-
Calcium Carbonate	OSHA	TWA	15 mg/m ³ (50 mppcf)
Titanium Dioxide	OSHA	TWA	15 mg/m ³ (Total Dust)
	ACGIH	TLV	10 mg/m ³ (Total Dust)
Carbon Black	ACGIH	TWA	3 mg/m ³
	OSHA	TWA	3.5 mg/m ³
	NIOSH	IDLH	1750 mg/m ³
	NIOSH	TWA	3.5 mg/m ³

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this Safety Data Sheet.

Engineering Measures: This product is combustible. Proper ventilation systems should be in place when heat welding this product.

Hygiene Measures: Wash hands before breaks and immediately after handling the product.

Personal Protective Equipment: **Respiratory Protection**
If irritation is experienced or if concentration is greater than the listed exposure limits, a NIOSH/MSHA approved respiratory protection shall be worn. Respiratory protection must be provided in accordance with current local regulations.

Eye/Face Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Plasticized PVC Sheeting	Self-Ignition Temperature:	N/A
Color:	White	Flammability:	N/A
Odor:	Slight Characteristic Odor	Vapor Pressure:	N/A
pH:	N/A	Volatile:	N/A
Flash Point:	N/A	Relative Density:	< 2.0
Melting Point:	N/A	Density:	1.20 – 1.80
Freezing Point:	N/A	Solubility:	Insoluble
Boiling Point:	N/A	Viscosity:	N/A

SECTION 10

STABILITY AND REACTIVITY

- Reactivity:** No dangerous reaction known under conditions of normal use.
- Chemical Stability:** The product is chemically stable. Hazardous decomposition occurs above 400°F.
- Possibility of Hazardous Reactions:** None under normal processing.
- Conditions to Avoid:** Extreme temperatures and heat.

SECTION 11

TOXICOLOGICAL INFORMATION

Toxicity

Hazardous Ingredient Name	Result	Species	Dose/Exposure	Acute or Chronic
Ethene, Chloro-, Homopolymer	-	-	-	-
Calcium Carbonate	-	-	-	-
Titanium Dioxide	LD ₅₀ Oral LD ₅₀ Dermal	Rat Hamster	>10,000 mg/kg >10,000 mg/kg	Chronic (Inhalation)
Carbon Black	-	-	-	-

- Irritation:** Skin, eye and respiratory irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

SECTION 12

ECOLOGICAL INFORMATION

- Toxicity Data:** No information available.
- Other Information:** Avoid release into the environment.

SECTION 13

DISPOSAL CONSIDERATIONS

- Disposal Methods:** Remove waste in accordance with federal, state, and local regulations. Hazardous waste shall not be mixed with other waste and it shall be managed responsibly. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. All entities that store, transport, or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not reuse containers.

SECTION 14

TRANSPORT INFORMATION

- Other Information:** Non-regulated, not classified as dangerous.

SECTION 15

REGULATORY INFORMATION

- TSCA Inventory:** Calcium Carbonate and Carbon Black are listed on the TSCA Inventory List.
- CERCLA RQ:** No information available.
- SARA 304:** No information available.
- SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals that are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
- Clean Air Act:** This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(t) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Ozone-Depletion Potential: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

California Prop 65: **WARNING:** This product can expose you to chemicals including Titanium Dioxide and Carbon Black, which are known to the State of California to cause [cancer](#). For more information go to www.P65Warnings.ca.gov.

SECTION 16

OTHER INFORMATION

Previous Editions: First Published: 06/26/2020

Further Information: This SDS was prepared in accordance with OSHA regulatory standards for Toxic and Hazardous Substances: 29 CFR 1910.1200.

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However Duro-Last®, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although Duro-Last®, Inc. has described herein all of the hazards to which we are currently aware; we cannot guarantee that these are the only hazards which exist.