

# Duro-Last® 10-Mil Modular Membrane

<b>SECTION 1</b>	<b>PRODUCT AND COMPANY IDENTIFICATION</b>
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**Product Name:** Duro-Last® 10-Mil Modular Membrane  
**Version:** 1  
**Identifier 1:** Unreinforced 10-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

**24 Hour Emergency Contact:** INFOTRAC  
 1-800-535-5053 (US & Canada)  
 1-352-323-3500 (International)

<b>SECTION 2</b>	<b>HAZARD(S) IDENTIFICATION</b>
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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

**Additional Optional Hazards:** **Environmental Hazards**  
 Acute Aquatic Toxicity, Category 3  
 Chronic Aquatic Toxicity, Category 3  
 Acute Hazard to the Aquatic Environment, Category 1  
 Long-Term Hazard to the Aquatic Environment, Category 1



## SECTION 3

## COMPOSITION/INFORMATION ON INGREDIENTS

## 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
Antimony Trioxide	1309-64-4	< 3.50

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

## SECTION 4

## FIRST-AID MEASURES

<b>Eye Contact:</b>	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.
<b>Inhalation:</b>	Move to fresh air and seek medical attention if breathing is affected.
<b>Skin Contact:</b>	Wash off with soap and plenty of water after use. Contact a physician if rash or severe irritation develops.
<b>Ingestion:</b>	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.
<b>Most Important Symptoms and Effects, Both Acute and Delayed:</b>	No information available.
<b>Protection of First-Aiders:</b>	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.
<b>Notes to Physician:</b>	Treat symptomatically.

## SECTION 5

## FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water spray, foam, dry chemical or Carbon Dioxide.
<b>Unsuitable Extinguishing Media:</b>	No information available.
<b>Specific Precautionary Methods:</b>	No information available.
<b>Special Protective Actions for Fire-Fighters:</b>	No action shall be taken involving any personal risk or without suitable training.

**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).

**Thermal Decomposition:** Toxic fumes of Carbon Monoxide, Carbon Dioxide and Hydrogen Chloride may be produced during thermal decomposition.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**For Non-Emergency Personnel:** 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.

**Cleanup:** No information available.

**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:** Store in accordance with federal, state, and local regulations. Do not store in unlabeled containers.

**Incompatible Materials:** No information available.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Limits**

Component	Basis	Value	Exposure Limit(s)* / Form of Exposure
Ethene, Chloro-homopolymer	-	-	-
Titanium Dioxide	OSHA	TWA	15 mg/m <sup>3</sup> (Total Dust)
	ACGIH	TLV	10 mg/m <sup>3</sup> (Total Dust)
Antimony Trioxide	OSHA	TWA	0.5 mg/m <sup>3</sup>
	ACGIH	TLV	0.5 mg/m <sup>3</sup>

\*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:** Proper ventilation systems should be in place when heat welding this product.

**Hygiene Measures:** Wash hands 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**

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

**SECTION 10****STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability:</b>	The product is chemically stable. Hazardous decomposition occurs above 400°F.
<b>Possibility of Hazardous Reactions:</b>	None under normal processing.
<b>Conditions to Avoid:</b>	Extremes of temperature and heat.
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide, Carbon Dioxide and Hydrogen Chloride.

**SECTION 11****TOXICOLOGICAL INFORMATION****Acute Toxicity**

Ingredient Name	Result	Species	Dose/Exposure
Ethene, Chloro-homopolymer	-	-	-
Titanium Dioxide	LD <sub>50</sub> Oral LD <sub>50</sub> Dermal	Rat Hamster	> 10,000 mg/kg ≥ 10,000 mg/kg
Antimony Trioxide	LD <sub>50</sub> Oral	Rat	> 20 g/kg

<b>Irritation:</b>	Skin and eye irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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**SECTION 12****ECOLOGICAL INFORMATION****Toxicity Data**

Ingredient Name	Species	Test Results	Exposure
Antimony Trioxide	Fish – <i>Danio rerio</i>	LC <sub>50</sub> > 1,000 mg/l	96 Hours
	Daphnia - <i>Daphnia magna</i>	EC <sub>50</sub> > 1,000 mg/l	48 Hours
	Algae – <i>Selenastrum capricornutum</i>	EC <sub>50</sub> 67 mg/l	72 Hours

<b>Other Information:</b>	This product contains biocide which can be toxic to aquatic life with long lasting effects. Avoid release into the environment.
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## 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

	DOT Classification	IMDG	IATA
UN Number	Not Regulated	Not Regulated	Not Regulated
UN Proper Shipping Name	-	-	-
Transport Hazard Class	-	-	-
Packing Group	-	-	-

**Other Information:** Not classified as a dangerous good.

## SECTION 15

## REGULATORY INFORMATION

**TSCA Inventory:** Titanium Dioxide and Antimony Trioxide are listed on the TSCA Inventory List.

**CERCLA RQ:** The product contains Antimony Trioxide with a CERCLA RQ of 1,000 lbs.

**SARA 304:** This product contains Antimony Trioxide with a section 304 EHS RQ of 1,000 lbs.

**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).

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

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