

Duro-Last X™

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name:	Duro-Last X™
Version:	1
Identifier 1:	Extruded PVC Membrane
Identifier 2:	N/A
Product Type:	Roll Good
Product Use:	Roofing Material
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)

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
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, 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, and easy to do so. 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. 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
Titanium Dioxide	OSHA	TWA	15 mg/m ³ (Total Dust)
	ACGIH	TLV	10 mg/m ³ (Total Dust)
Antimony Trioxide	OSHA	TWA	0.5 mg/m ³
	ACGIH	TLV	0.5 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:	PVC Membrane	Self-Ignition Temperature:	N/A
Color:	White	Flammability:	N/A
Odor:	Slight Characteristic Odor	Vapor Pressure:	N/A
pH:	N/A	Volatile:	< 2.0
Flash Point:	N/A	Relative Density:	N/A
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
Titanium Dioxide	LD ₅₀ Oral	Rat	>10,000 mg/kg	Chronic (Inhalation)
	LD ₅₀ Dermal	Hamster	>10,000 mg/kg	
Antimony Trioxide	LD ₅₀ Oral	Rat	>20 g/kg	Chronic

Irritation:	Skin and irritation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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SECTION 12

ECOLOGICAL INFORMATION

Environmental Data

Ingredient Name	Species	Test Results	Exposure
Antimony Trioxide	Fish – <i>Danio Rerio</i>	LC ₅₀ >1,000 mg/L	96 Hours
	Daphnia – <i>Daphnia magna</i>	EC ₅₀ >1,000 mg/L	48 Hours
	Algae – <i>Selenastrum Capricornutum</i>	EC ₅₀ > 67 mg/L	72 Hours

Other Information:	This product contains biocide which can be toxic to aquatic life with long lasting effects.
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Do not empty into drains; dispose of this material and its container in accordance with state and local regulations. Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains, and sewers.

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal Methods:	This product, as supplied, is not regulated as a hazardous waste by the U.S. Environmental Protection Agency (EPA) under Resource Conservation and Recovery Act (RCRA) regulations. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any federal, state, and local requirements.
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SECTION 14

TRANSPORT INFORMATION

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

SECTION 15

REGULATORY INFORMATION

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

CERCLA RQ: This material contains Antimony Trioxide with a CERCLA RQ of 1,000lbs.

SARA 304: This material contains Antimony Trioxide with Section 304 EHS RQ of 1,000lbs.

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).

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 Antimony Trioxide 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: 08/24/2020

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.