

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

### 1.1 PRODUCT IDENTIFIER

**Product Name:** Duro-TECH™ TPO Fleece Membrane  
**Product Code:** various

### 1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

**Product Use:** Construction, Roofing  
 Use this product in accordance with all local, regional, national and international regulations.

### 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Name/Address:** Duro-Last®, Inc.  
 525 W Morley Dr.  
 Saginaw, MI 48601  
**Telephone Number:** Phone: (800) 248-0280  
**Website:** www.duro-last.com brand

### 1.4 EMERGENCY TELEPHONE NUMBER

For Chemical Emergency  
 Spill, Leak, Fire, Exposure, or Incident  
 Within USA and Canada: 1-800-424-9300  
 Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

## SECTION 2: HAZARD(S) IDENTIFICATION

### 2.1 CLASSIFICATION OF THE CHEMICAL

**Hazard class:**

HAZARD CLASSIFICATION	CATEGORY
This material is an article	
Not Classified	
This material does not meet the criteria for classification to OSHA Hazard Communication Standard 2012 1900.1200 (HCS 2012).	

### 2.2 LABEL ELEMENTS

**Hazard pictogram:** None

**Signal word:** None

**Hazard statement:** This Article does not meet the criteria for classification to OSHA Hazard Communication Standard 2012 1900.1200 (HCS 2012).

**Prevention:** Observe good industrial hygiene practices.

**Response:** Wash hands thoroughly after handling.

**Storage:** Store away from incompatible materials.

**Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

### 2.3 ADDITIONAL INFORMATION

**Main symptoms:** No symptoms expected.  
**Hazards not otherwise specified:** None Known

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0% of the Article consists of ingredient(s) of unknown acute toxicity

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 ARTICLES****Comments:**

This Article does not meet the criteria for classification according to OSHA Hazard Communication Standard 2012 (HCS 2012) 1900.1200.

Material	CAS No.	Weight %*
Components below reportable levels	--	100%

\*The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

**SECTION 4: FIRST-AID MEASURES****4.1 DESCRIPTION OF THE FIRST AID MEASURES****General information:**

Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

**Inhalation:**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

**Skin contact:**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, get medical attention.

**Eye contact:**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

**Ingestion:**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, get medical attention.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED****Note to physicians:**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**Specific treatments:**

In case of accident or if you feel unwell, seek medical advice (show the label or SDS where possible).

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA****General hazards:**

No unusual fire or explosion hazard.

**Suitable extinguishing media:**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>)

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**Unsuitable extinguishing media:** Do not use water jet as an extinguisher as this will spread the fire.

**5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR ARTICLE**

**Specific hazards:** During fire, gases hazardous to health may be formed.  
**Products of combustion:** May include, and are not limited to: oxides of carbon.

**5.3 Special protective equipment and precautions for fire-fighters (PPE)****Special protective equipment for fire-fighters:**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Special fire-fighting procedures:** Keep upwind of fire. Move containers from fire area if you can do it without risk.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

For personal protection, see Section 8 of this SDS.

**6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP**

**Methods for containment:** Not applicable.

**Methods for cleaning-up:** Not applicable.

**Large spills:** Not applicable.

**Small spills:** Not applicable.

**Environmental precautions:** Not applicable.

**SECTION 7: HANDLING AND STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING**

**Precautions for Safe handling:** Observe good industrial hygiene practices.

**General hygiene advice:** Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

**Safe storage:** Store in original, unopened packaging protected from the weather.

**Specific use:** Construction, Roofing

**Technical measures:** No specific recommendations.

**Incompatible materials:** None known.

**Safe packaging material:** No specific recommendations.

**Precautions:** Use personal protective recommended in Section 8 of the SDS.

**Safe handling advice:** Observe good industrial hygiene practices.

**Suitable storage conditions:** Store away from incompatible materials.

**Handling-technical measures:** No specific recommendations.

**Local and general ventilation:** Provide adequate ventilation.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters:** Follow standard monitoring procedures.

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**Exposure limits:** No exposure limits/guidelines available for the material or the components.

## 8.2 EXPOSURE CONTROLS

**Engineering measures to reduce exposure:** Under normal conditions of use, special ventilation is not required.

## 8.3 INDIVIDUAL PROTECTIVE MEASURES

**General:** Use personal protective equipment as required.

**Eye protection:** Under normal conditions of use, eye protection is not required. If contact is likely, safety glasses with side shields are recommended.

**Hand protection:** No skin protection is ordinarily required under normal conditions of use.

**Respiratory protection:** No respiratory protection is required under normal conditions of use.

**Skin and body protection:** Wear suitable protective clothing.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Thermal hazards:** Wear appropriate thermal protective clothing, when necessary.

**Environmental exposure controls:** Follow best practice for site management and disposal of waste.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

Product Sizes			
Membrane Thickness: 0.045" (1.14 mm) Membrane Weight: 0.23 lb/ft <sup>2</sup> (1.1 kg/m <sup>2</sup> )		Membrane Thickness: 0.060" (1.52 mm) Membrane Weight: 0.31 lb/ft <sup>2</sup> (1.5 kg/m <sup>2</sup> )	
Available Sizes	Available Colors	Available Sizes	Available Colors
5' x 100' (1.5 x 30.5 m)	White, Tan, Gray	5' x 100' (1.5 x 30.5 m)	White, Tan, Gray
5' x 200' (1.5 x 61 m)	White	5' x 200' (1.5 x 61 m)	White
6' 2" x 100' (1.9 x 30.5 m)	White, Tan, Gray	6' 2" x 100' (1.9 x 30.5 m)	White, Tan, Gray
8' x 100' (2.4 x 30.5 m)	White, Tan, Gray	8' x 100' (2.4 x 30.5 m)	White, Tan, Gray
8' x 200' (2.4 x 61 m)	White	8' x 200' (2.4 x 61 m)	White
10' x 100' (3.0 x 30.5 m)	White, Tan, Gray	10' x 100' (3.0 x 30.5 m)	White, Tan, Gray
10' x 200' (3.0 x 61 m)	White	10' x 200' (3.0 x 61 m)	White
12' 4" x 100' (3.8 x 30.5 m)	White, Tan, Gray	12' 4" x 100' (3.8 x 30.5 m)	White, Tan, Gray
12' 4" x 200' (3.8 x 61 m)	White	12' 4" x 200' (3.8 x 61 m)	White

**Form:** A flexible Thermoplastic Polyolefin roofing membrane that is produced with polyester weft-inserted reinforcement.

**Odor:** None

**Physical State:** Solid/Article

**Flammability (solid, gaseous):** Not Flammable

## SECTION 10: STABILITY AND REACTIVITY

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- 10.1 REACTIVITY** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.2 CHEMICAL STABILITY**
- Chemical stability:** Material is stable under normal conditions.
- Materials to avoid:** The product is stable and non-reactive under normal conditions of use, storage and transport.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS**
- Hazardous reactions:** No dangerous reaction known under conditions of normal use.
- 10.4 CONDITIONS TO AVOID** Store in a cool, dry, well-ventilated place.
- 10.5 INCOMPATIBLE MATERIALS** Not applicable
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS**
- Hazardous decomposition products:** No hazardous decomposition products are known.
- Hazardous polymerization:** Does not occur.
- Other information:** Not applicable.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 INFORMATION ON TOXICOLOGICAL EFFECTS**

**Acute toxicity:** This material is an article that does not release or otherwise result in exposure to a hazardous chemical under normal use. The information provided below is for components only and is not expected to be applicable to the material as a whole.

**LD50/LC50 values relevant to this classification:** None

**11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE**

**Skin corrosion/irritation:** Not relevant

**Serious eye damage/irritation:** Not relevant.

**Respiratory sensitization:** Not relevant.

**Skin sensitization:** Not relevant.

**Symptoms and target organs:** Not relevant.

**Chronic health effects:** No chronic health effects known.

**Carcinogenicity:** This product is not classified as a carcinogen.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific Target Organ Toxicity (STOT):**

**Single Exposure:** Not classified as an STOT - Single Exposure.

**Repeated Exposure:** Not classified as an STOT - Repeated Exposure.

**Aspiration Toxicity:** Not relevant.

**Other Information:** Not applicable.

**SECTION 12: ECOLOGICAL INFORMATION**

**SAFETY DATA SHEET****12.1 ECOTOXICITY**

**Ecotoxicity:** Under normal conditions of use, no effects are expected.

**12.2 PERSISTENCE AND DEGRADABILITY**

**Persistence/biodegradability:** The product contains substances which are not expected to be readily biodegradable.

**12.3 BIOACCUMULATIVE POTENTIAL**

**Bioaccumulation:** No data available.

**12.4 MOBILITY**

**Mobility:** No data available.  
**Mobility in soil:** No data available.  
**Mobility in non-soil:** No data available.

**12.5 OTHER ADVERSE EFFECTS**

**Ozone layer:** No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 WASTE TREATMENT METHODS**

**Disposal method:** This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

**Contaminated packaging:** Not relevant.

**EU codes:** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Residual waste:** Dispose of in accordance with local regulations.

**Disposal instructions:** Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Waste codes:** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Other disposal recommendations:** None

**SECTION 14: TRANSPORT INFORMATION****DOT Non-Bulk**

Not classified as Dangerous Goods for Transport

**DOT Bulk**

Not classified as Dangerous Goods for Transport

**IMO/IMDG**

Not classified as Dangerous Goods for Transport

**ICAO/IATA**

Not classified as Dangerous Goods for Transport

**Reportable quantity:** Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

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This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material

## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

#### US Federal Regulations:

#### U.S. OSHA (Occupational Safety and Health Administration) Specifically Regulated Substances (29 CFR 1910.1001-1050)

No components of this product are present at concentration greater than or equal to 0.1% and are identified as a carcinogen or potential carcinogen by OSHA.

#### SARA/CERCLA reporting requirements:

No components of this product are found at concentrations greater than or equal to 0.1% and are subject to the SARA/CERCLA reporting requirements.

#### State Right-to-Know Regulations

No components of this product are found at concentrations greater than or equal to 0.1% and are subject to state Right-to-Know reporting requirements.

#### Global Inventories:

Notification status:	
US - TSCA	All substances are listed or exempt
Canada -DSL	All substances are listed or exempt
Canada - NDSL	No substances are listed
EU - EINECS	All substances are listed or exempt
EU - ELINCS	No substances are listed
EU - NLP	No substances are listed
Australia – AICS	All substances are listed or exempt
China - EICSC	All substances are listed or exempt
Japan - ENCS	All substances are listed or exempt
Korea - KECI	All substances are listed or exempt
Taiwan - NECI	All substances are listed or exempt
New Zealand - NZIoC	All substances are listed or exempt
Philippine - PICCS	All substances are listed or exempt

#### EU - REACH Status:

A registration number is not available for substances in this Article as the substances are exempted from registration or the annual tonnage does not require a registration.

HAZARD CLASSIFICATION	CATEGORY
This material is an article	
Not Classified	

#### CANADA – WHMIS (Workplace Hazardous Materials Information System) Classification (GHS):

HAZARD CLASSIFICATION	CATEGORY
This material is an article	

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Not Classified

**MEXICO (GHS):**

HAZARD CLASSIFICATION	CATEGORY
This material is an article	
Not Classified	

**Carcinogen Status:** No data available.

**SECTION 16: OTHER INFORMATION**

**HMIS (Hazardous Materials Identification System) rating:**

<b>Health:</b>	<b>0</b>
<b>Flammability:</b>	<b>0</b>
<b>Physical:</b>	<b>0</b>

**NFPA 704 (National Fire Protection Association) rating:**

<b>Health</b>	<b>0</b>
<b>Fire</b>	<b>0</b>
<b>Reactivity</b>	<b>0</b>

**Legend:**

DOT	US Department of Transportation
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ACGIH	American Conference of Governmental Industrial Hygienists
NTP	National Toxicology Program
IARC	International Agency for Research on Cancer
PPE	Personal Protective Equipment
RCRA	Resource Conservation and Recovery Act
CAA	Clean Air Act
SARA	Superfund Amendments and Reauthorization Act
EPCRA	Emergency Planning and Community Right-to-Know Act
WHMIS	Workplace Hazardous Materials Information System
EU	European Union
REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
TSCA	US Toxic Substances Control Act (TSCA)
DSL	Canada Domestic Substance List (DSL)
NDSL	Canada Non-Domestic Substance List (NDSL)
EINECS	European Inventory of Existing Commercial Chemical Substances (EINECS)
ELINCS	European List of Notified Chemical Substances (ELINCS)
NLP	European list of No-longer Polymers (NLP)
AICS	Australian Inventory of Chemical Substances (AICS)
EICSC	China Existing Chemical Inventory - IECSC
ENCS	Japanese Existing and New Chemical Substances Inventory(ENCS)
KECI	Korea Existing Chemicals Inventory(KECI)
NECI	Taiwan National Existing Chemical Inventory (NECI)
NZIoC	New Zealand Inventory of Chemicals (NZIoC)
PICCS	Philippine Inventory of Chemicals and Chemical Substances (PICCS)
HMIS	Hazardous Materials Identification System
NFPA	National Fire Protection Association (NFPA)



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525 W Morley Dr.  
Saginaw, MI 48601**End of Safety Data Sheet**