Duro-Shield™ 10

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Duro-Shield™ 10
Version: 2
Identifier 1: Pigmented Acrylic Latex Paint
Identifier 2:
Chemical Family: Pigmented Acrylic Latex
Product Use: Elastomeric Roof Coating

Distributer Information:
Duro-Last®, Inc.
525 W Morley Dr.
Saginaw, MI 48601
Phone: (800) 248-0280
Website: www.duro-last.com

Manufactured By:
Anvil Paints & Coatings, Inc.
1255 Starkey Road
Largo, FL 33771
Phone: (800) 822-6776
Website: www.anvilpaints.com

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

SECTION 2 HAZARD(S) IDENTIFICATION

Hazard Classification: N/A

Pictogram(s): N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements:

Prevention

P201	- Obtain special instructions before use.
P202	- Do not handle until all safety precautions have been read and understood.
P261	- Avoid breathing dust/fumes/gas/mist/vapors/spray.
P264	- Wash skin thoroughly after handling.
P280	- Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352	IF ON SKIN: Wash with soap and water.
P305+351+338	- IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.
P308+P313	- IF exposed: Call a POISON CENTER or doctor/physician.
P333+P313	- IF skin irritation occurs: Get medical advice/attention.
P337 + P313	- IF eye irritation persists: Get medical advice/attention.
P362	- Take and wash contaminated clothing before reuse.
P370+P378	- In case of fire: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for extinction.

Storage

P401	- Store in a sealed container.

Disposal

P501 - Dispose of contents/container in accordance with local, state, and federal regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

Chemical Name	CAS Number	Concentration (%)
Water	7732-18-5	30.00 – 45.00%
Acrylic Polymer Mixture	55965-84-9	20.00 – 40.00%
Calcium Carbonate (Unbound)*	1317-65-3	15.00 – 25.00%
Titanium Dioxide (Unbound)*	13463-67-7	0.00 – 8.00%
Propylene Glycol	57-55-6	0.00 – 2.00%
Texanol	25265-77-4	0.00 – 2.00%
Acrylic Polymer	28205-96-1	0.00 – 2.00%

*The hazards of the listed Titanium Dioxide and Calcium Carbonate are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

This product mixture has not been tested. The statements herein were derived from the properties of the individual components. 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

Inhalation:

If affected:
Move to fresh air.
Restore breathing.
Keep quiet and warm.
Consult a physician if warranted.

Skin Contact:

Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

Eye Contact:

Immediately flush eye(s) with plenty of water.
Remove contact lenses, if present, and easy to do so.
Keep eye(s) wide open while rinsing.
If eye irritation persists, consult a specialist.

Ingestion:

Clean mouth with water and drink plenty of water afterwards.
Do NOT induce vomiting.
Get medical attention immediately.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects, Both Acute and Delayed:

N/A

Protection of First-Aiders:

Move out of dangerous area.
Consult a physician.
Show this Safety Data Sheet to the doctor in attendance.

Notes to Physician: Treat symptomatically.

SECTION 5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water-based coating. Will not burn under normal circumstances.

Unsuitable Extinguishing Media: N/A

Specific Precautionary Methods: Closed containers may explode when exposed to extreme heat. Water may be used to cool to prevent pressure build-up.

Special Protective Equipment for Firefighters: In the event of fire, wear self-contained breathing apparatus, if appropriate.

Thermal decomposition may produce toxic fumes of Carbon Monoxide, Carbon Dioxide, and Hydrogen.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Handling Precautions:
Use personal protective equipment.
Deny access to unprotected persons.
Avoid breathing dust/fumes/gas/mist/vapors/spray.

Environmental Precautions:
Do not flush into or allow chemical to enter surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

Cleanup:
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, or sawdust).
Keep in suitable, closed containers for disposal.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1940.120).

SECTION 7 HANDLING AND STORAGE

Handling Precautions:
Do not breathe vapors or spray mist.
Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection, see section 8.
Smoking, eating, and drinking should be prohibited in the application area.
Follow standard hygiene measures when handling chemical products.

Storage Requirements:
Store in original container.
Keep in a well-ventilated place.
Keep container tightly closed.
Observe label precautions.
Store in accordance with local regulations.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Basis **	Value	Exposure Limit(s)* / Form of Exposure
Titanium Dioxide (Unbound)***	13463-67-7	OSHA	TWA	10 mg/m³
		ACGIH	TLV	10 mg/m³
Calcium Carbonate (Unbound)***	1317-65-3	OSHA	TWA	15 mg/m³
		ACGIH	TLV	10 mg/m³

Propylene Glycol	57-55-6	OSHA	TWA	50 ppm
		ACGIH	TLV	100 mg/m³

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

****Basis**

ACGIH. Threshold Limit Values (TLV)
OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)
OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant
OSHA P2. Permissible Exposure Limits (PEL), Table Z-2
OSHA Z3. Table Z-3, Mineral Dust

*******The hazards of the listed Titanium Dioxide and Calcium Carbonate are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

Engineering Measures:

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal Protective Equipment:

Respiratory Protection
Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand Protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

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

Skin and Body Protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

Hygiene Measures
Avoid contact with skin, eyes, and clothing.
Wash hands before breaks and immediately after handling the product.
Remove respiratory and skin/eye protection only after vapors have been cleared from the area.
Remove contaminated clothing and protective equipment before entering eating areas.
Wash thoroughly after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid
Color: White
Relative Density: Ca. 1.23 g/cm³ at 73ºF (23ºC)
pH: 8.5 to 9.0
Odor: Non-descript
Solubility: 100%
Flash Point: Non-flammable
VOC: ~80 g/L

SECTION 10 STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: The product is chemically stable.

Possibility of Hazardous Reactions: Stable under recommended storage conditions.

Conditions to Avoid: Extremes of temperature and direct sunlight, as these conditions could lead to pressure build-up in a sealed container.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity

Hazardous Ingredient Name	Acute or Chronic?	Oral LD_{50}	Dermal LD_{50}	Dermal LC_{50}
Titanium Dioxide (Unbound)*	Chronic (Inhalation)	> 10,000 mg/kg (rat)	≥ 10,000 mg/kg (hamster)	NE**
Propylene Glycol	Acute	20 mg/kg (rat)	20,800 mg/kg (rabbit)	NE**
Calcium Carbonate (Unbound)*	No	6,450 mg/kg (rat)	NE**	NE**
Texanol	No	3,200 mg/kg (rat)	> 20 mL/kg (guinea pig)	NE**

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**NE = No Evidence

Irritation: N/A

Sensitization: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Crystalline Silica: Exposures to respirable crystalline silica are not expected during normal use of this product. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease (silicosis). The risk of developing silicosis is dependent upon the exposure intensity and duration.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Data This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Other Information: 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:

Waste from Residues
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 regional local authority requirements.

Contaminated Packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal in accordance with local, state, and federal regulations.

SECTION 14 TRANSPORT INFORMATION

DOT: Not dangerous goods.
IATA: Not dangerous goods.
IMDG: Not dangerous goods.
Non-regulated, not classified as dangerous.

SECTION 15 REGULATORY INFORMATION

TSCA List: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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, which is known to the State of California to cause cancer when unbound and airborne. For more information, go to www.P65Warnings.ca.gov.

SECTION 16 OTHER INFORMATION

Previous Editions: First Edition: 07/06/17

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.