

Duro-Shield™ 20

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name:	Duro-Shield™ 20
Version:	1
Identifier 1:	Pigmented Acrylic Latex Paint
Identifier 2:	
Chemical Family:	Pigmented Acrylic Latex
Product Use:	Elastomeric Roof Coating
Company Information:	Manufactured by: Anvil Paints & Coatings, Inc. 1255 Starkey Road Largo, FL 33771 Phone: (800) 822-6776 Internet Address: www.anvilpaints.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:	Not a hazardous substance or mixture.
Pictogram(s):	Not a hazardous substance or mixture.
Signal Word:	Not a hazardous substance or mixture.
Hazard Statements:	Not a hazardous substance or mixture.
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+352 - 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 off contaminated clothing. P363 - 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 regulations.

SECTION 3**COMPOSITION/INFORMATION ON INGREDIENTS****Ingredients**

Chemical Name	CAS Number	Concentration (%)
Water	7732-18-5	30 - 45
Acrylic Polymer Mixture	55965-84-9	20 - 40
Calcium Carbonate	1317-65-3	15 to 25
Titanium Dioxide	13463-67-7	0 - 8
Propylene Glycol	57-55-6	0 - 2
Acrylic Polymer	28205-96-1	0 - 2
2,2,4-trimethyl-1,3-pentanediol monoiso-butyrate	25265-77-4	0 - 2
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	< 1
Ammonium Hydroxide	1336-21-6	< 1

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. Consult a physician if warranted.
Skin Contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
Eye Contact:	Flush eyes with large amounts of water for 15 minutes. Remove contact lenses if possible. Keep eye(s) wide open while rinsing. If eye irritation persists, consult a specialist.
Ingestion:	Do not induce vomiting immediately. Get medical attention immediately.

SECTION 5**FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media:	Water based coating. Will not burn under normal circumstances.
Unusual Fire and Explosion Hazards	Closed containers may explode when exposed to extreme heat.
Special Protective Equipment for Fire-Fighters:	Water may be used to cool to prevent pressure build up.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Handling Precautions:	Use personal protective equipment. Deny access to unprotected persons.
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- Environmental precautions:** Do not flush into 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 vermiculite or other absorbent material (e.g. sand, silica gel, 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.
- Fire Prevention** The product itself will not burn.
- Storage Requirements:** Store in original container.
Keep in a well-ventilated place.
Observe label precautions.
Store in accordance with local regulations.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Component	CAS Number	OSHA PEL	ACGIH TLV	WT %
Water	7732-18-5	NE	NE	NE
Acrylic Polymer Mixture	55965-84-9	NE	NE	NE
Calcium Carbonate	1317-65-3	15 mg / m ³	10 mg / m ³	23.5
Titanium Dioxide	13463-67-7	10 mg / m ³	10 mg / m ³	6.8
Propylene Glycol	57-55-6	50 ppm	100 mg / m ³	1.5
Acrylic Polymer	28205-96-1	NE	NE	NE
2,2,4-trimethyl-1,3-pentanediol monoiso-butyrate	25265-77-4	NE	NE	NE
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	NE	NE	NE
Ammonium Hydroxide	1336-21-6	NE	NE	NE

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

NE – Not evaluated or insignificant concentrations

- 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.

Personal Protective Equipment:**Respiratory Protection**

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

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 work-place.

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
Density:	Ca. 1.23 g/cm ³ at 73°F (23°C)
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.

SECTION 11**TOXICOLOGICAL INFORMATION**

Acute Toxicity:	None known.
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

Ecotoxicity:	This product mixture 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 a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal Methods:	<p>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.</p> <p>Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.</p>
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SECTION 14

TRANSPORT INFORMATION

DOT:	Not dangerous goods.
IATA:	Not dangerous goods.
IMDG:	Not dangerous goods.

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.
SARA304 Reportable Quantity:	This material does not contain any components with a section 304 EHS RQ.
SARA 311/312 Hazards:	Not considered hazardous.
SARA 302:	SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313:	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:	<p>This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).</p> <p>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).</p>
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:

This product does not contain any chemicals that meet required exposure properties known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16**OTHER INFORMATION****HMIS Classification**

HEALTH	*	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

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. Neither Duro-Last®, Inc. or Anvil Paints & Coatings, Inc. assumes 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 we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist.