

# Duro-Shield® Bleed Block

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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<b>Product Name:</b>	Duro-Shield® Bleed Block
<b>Version:</b>	1
<b>Identifier:</b>	Bleed Block Sealer for Roofing
<b>Chemical Family:</b>	Mixture
<b>Product Use:</b>	Architectural Coating and Waterproofing
<b>Company Information:</b>	Duro-Last®, a division of Holcim Solutions and Products US, LLC 525 W Morley Dr. Saginaw, MI 48601 Phone: (800) 248-0280 Internet Address: www.duro-last.com
<b>Emergency Phone (24 hours):</b>	INFOTRAC 1-800-535-5053 (US & Canada) 1-352-323-3500 (International)

SECTION 2	HAZARD(S) IDENTIFICATION
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<b>Emergency Overview:</b>	This mixture does not meet the criteria for classification to OSHA Hazard Communication Standard, 2012 29 CFR 1910.1200.	
<b>Pictogram(s):</b>	N/A	
<b>Signal Word:</b>	N/A	
<b>Hazard Statements:</b>	This mixture does not meet the criteria for classification to OSHA Hazard Communication Standard, 2012 29 CFR 1910.1200.	
<b>Precautionary Statements:</b>	<p><b>Prevention</b></p> <p>P202 - Do not handle until all safety precautions have been read and understood.</p> <p>P264 - Wash skin thoroughly after handling.</p> <p>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</p> <p><b>Response</b></p> <p>P302+352 - IF ON SKIN: Wash with soap and water.</p> <p>P305+P351+P338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.</p> <p>P333 + P313 - If skin irritation occurs: Get medical advice/attention.</p> <p>P337 + P313 - If eye irritation persists get medical advice/attention.</p> <p><b>Storage</b></p> <p>P403 + P235 - Store in a well-ventilated place. Keep cool.</p> <p>P405 - Store locked up.</p> <p><b>Disposal</b></p> <p>P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.</p>	
<b>Other Statements:</b>	30% of the mixture consists of ingredient(s) of unknown acute toxicity.	

## SECTION 3

## COMPOSITION/INFORMATION ON INGREDIENTS

## Hazardous Ingredients

Chemical Name	CAS Number	Concentration (%)
Limestone	1317-65-3	15.00 – 40.00
Silica, Quartz (dust)	14808-60-7	0.10 – 1.00
Ethylene Glycol	107-21-1	0.10 – 1.00

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

<b>Inhalation:</b>	Move to fresh air. Consult a physician if symptoms develop or persist.
<b>Skin Contact:</b>	Wash skin with plenty of soap and water. Get medical attention if irritation develops and persists.
<b>Eye Contact:</b>	Rinse eyes with water. Get medical attention if irritation develops and persists.
<b>Ingestion:</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>Most Important Symptoms and Effects, Both Acute and Delayed:</b>	Direct contact with eyes or skin may cause temporary irritation.
<b>Notes to Physician:</b>	Treat symptomatically.

## SECTION 5

## FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water fog, foam, dry chemical powder, and Carbon Dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media:</b>	Do not use water jet as an extinguisher as this will spread the fire.
<b>Specific Hazards:</b>	During fire, gases hazardous to health may be formed.
<b>Products of Combustion:</b>	May include, and are not limited to: oxides of carbon.
<b>Special Protective Equipment for Firefighters:</b>	In the event of fire, wear a self-contained breathing apparatus and full protective clothing.
<b>Special Fire-Fighting Procedures:</b>	Keep upwind of fire. Move containers from fire area if you can do it without risk.

## SECTION 6

## ACCIDENTAL RELEASE MEASURES

<b>Handling Precautions:</b>	For personal protection, see Section 8 of this SDS.
<b>Methods for Containment:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, or sawdust), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
<b>Methods for Cleaning-Up:</b>	Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see Section 13 of this SDS. Never return spills to original containers for re-use.

**Large Spill Response**

Stop the flow of material, if this is without risk. Where possible, dike the spilled material. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Small Spill Response**

Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental Precautions:** Avoid discharge into drains, waterways, or onto the ground.

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

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
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**Handling Precautions:** Follow standard hygiene measures when handling chemical products. Avoid strong oxidizing agents. Use Personal Protective Equipment (PPE) recommended in Section 8 of this SDS. Provide adequate ventilation while using this product.

**Storage Requirements:** Store in original container away from incompatible materials.

<b>SECTION 8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone	TWA: 2 mg/m <sup>3</sup> respirable particulate matter	TWA: 15 mg/m <sup>3</sup> total & 5 mg/m <sup>3</sup> respirable particulate matter	TWA: 10 mg/m <sup>3</sup> total & 5 mg/m <sup>3</sup> respirable particulate matter

**Engineering Measures:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Personal Protective Equipment:**

**Respiratory Protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand Protection**

For prolonged or repeated skin contact, use suitable protective gloves.

**Eye Protection**

If contact is likely, safety glasses with side shields are recommended.

**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.

**Environmental Controls:** Environmental manager must be informed of all major releases.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Viscous Red Liquid	<b>Evaporation Rate:</b>	Not Applicable
<b>Odor:</b>	Not Applicable	<b>Flammability:</b>	Not Applicable
<b>Odor Threshold:</b>	Not Applicable	<b>Lower Flammability Limit:</b>	Not Applicable
<b>Color:</b>	Red	<b>Upper Flammability Limit:</b>	Not Applicable
<b>Physical State:</b>	Liquid	<b>Vapor Pressure:</b>	Not Applicable
<b>pH (at 20°C)</b>	8.81	<b>Vapor Density:</b>	Not Applicable
<b>Melting &amp; Freezing Point:</b>	Not Applicable	<b>Density:</b>	11.39 lb/gal
<b>Initial Boiling Point:</b>	Not Applicable	<b>Specific Gravity:</b>	1.36
<b>Flash Point:</b>	>200°F/93°C	<b>Solubility:</b>	Water Miscible
<b>Auto-Ignition Temp:</b>	Not Applicable	<b>Viscosity (at 20°C) g/L:</b>	90 KU's
<b>Decomposition Temp:</b>	Not Applicable	<b>Oxidizing Properties:</b>	Not Applicable
<b>Explosive Properties:</b>	Not Applicable	<b>VOC:</b>	<50 g/L (<0.417 lb/gal)
<b>Solvent Content – Organic:</b>	Not Applicable	<b>Incompatibilities:</b>	Strong Oxidizing Agents
<b>Solvent Content – Water:</b>	42.66%	<b>Other Information:</b>	Not Applicable
<b>Solvent Content – Solid:</b>	56.45%		

## SECTION 10

## STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability:</b>	Material is stable under normal conditions. The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid:</b>	Contact with incompatible materials.
<b>Incompatible Materials:</b>	None known, avoid strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	No hazardous decomposition products are known.
<b>Hazardous Polymerization:</b>	Does not occur.
<b>Other Information:</b>	Not applicable.

## SECTION 11

## TOXICOLOGICAL INFORMATION

## Acute Toxicity

Hazardous Ingredient Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Limestone	>2000 mg/kg	>2000 mg/kg	>5 mg/kg (dust & mist)

**Acute Toxicity:** Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

**Likely Routes of Exposure:** Skin contact, eye contact, and inhalation.

**Eye**

Direct contact with eyes may cause temporary irritation.

**Skin**

No adverse effects due to skin contact are expected. Prolonged skin contact may cause dryness, redness, or cracking.

**Ingestion**

Not an expected route of exposure. Expected to be a low ingestion hazard.

**Inhalation**

Not an expected route of exposure. No adverse effects due to inhalation are expected.

**Delayed, Immediate, and Chronic Effects of Short- and Long-Term Exposure:**

**Skin Corrosion/Irritation**

Based on available data, this product is not expected to cause skin corrosion or irritation. Prolonged skin contact may cause dryness, redness, or cracking.

**Serious Eye Damage/Irritation**

Based on available data, this product is not expected to cause serious eye damage or irritation. Direct contact with eyes may cause temporary irritation.

**Respiratory Sensitization**

Based on available data, this product is not expected to cause respiratory sensitization.

**Skin Sensitization**

Based on available data, this product is not expected to cause skin sensitization.

**Symptoms and Target Organs**

Direct contact with eyes may cause temporary irritation.

**Chronic Health Effects**

No chronic health effects known.

**Carcinogenicity**

This product is not classified as a carcinogen. Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

Component	OSHA	ACGIH	NTP	IARC
Silica, Quartz (dust)	Not Listed	A2	K	1

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS**

**OSHA** =Occupational Safety and Health Administration

Ca/Yes = Expected to be carcinogenic

not listed = Not expected to be carcinogenic

**ACGIH** =American Conference of Governmental Industrial Hygienists

A1 =Confirmed human carcinogen

A2 =Suspected human carcinogen

A3 =Animal carcinogen

A4 =Not classifiable as a human carcinogen

A5 =Not suspected as a human carcinogen

not listed = Not expected to be carcinogenic

**NTP** =National Toxicology Program

K =Known to be a carcinogen

R = Reasonably anticipated to be a carcinogen

not listed = Not expected to be carcinogenic

**IARC** =International Agency for Research on Cancer

1 =Carcinogenic to humans

2A =Probably carcinogenic to humans

2B =Possibly carcinogenic to humans

3 =Not classifiable as to its carcinogenicity to humans

4 =Probably not carcinogenic to humans

not listed = Not expected to be carcinogenic

**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:** Based on available data, this product is not expected to cause aspiration toxicity.

## SECTION 12

## ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	The 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.
<b>Acute Aquatic Toxicity:</b>	The product is not classified as acutely environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Chronic Toxicity:</b>	The product is not classified as having a chronic environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Environmental Effects:</b>	The 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.
<b>Persistence/Biodegradability:</b>	The product contains substances which are not expected to be readily biodegradable.
<b>Bioaccumulation:</b>	No data available.
<b>Mobility:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

## SECTION 13

## DISPOSAL CONSIDERATIONS

<b>Disposal Methods:</b>	This material must be disposed of in accordance with all local, state, and federal regulations.
<b>Contaminated Packaging:</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>EU Codes:</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Residual Waste:</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal Instructions).
<b>Disposal Instructions:</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Waste Codes:</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

## SECTION 14

## TRANSPORT INFORMATION

<b>DOT:</b>	Not classified as Dangerous Goods for Transport
<b>IATA:</b>	Not classified as Dangerous Goods for Transport
<b>IMDG:</b>	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.

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.

<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
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**U.S. OSHA Specifically Regulated Substances:** 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:** The following components of this product are found at concentrations greater than or equal to 0.1% and are subject to SARA/CERCLA reporting requirements.

**State Right-to-Know Regulations:** The following components of this product are found at concentrations greater than or equal to 0.1%, subject to state Right-to-Know reporting requirements; or are found at any concentration and are listed under California Proposition 65.

Material	California Proposition 65	Massachusetts Right-to-Know	Minnesota Employee Right-to-Know	New Jersey Community Environmental Hazard Right-to-Know	New Jersey Right-to-Know Substance	Pennsylvania Right-to-Know	Rhode Island Right-to-Know
Limestone	Not listed	Listed	Listed	Not listed	Listed	Listed	Not listed
Iron Oxide	Not listed	Listed	Listed	Not listed	Listed	Listed	Not listed
Silica, quartz (dust)	Cancer (airborne, unbound particles of respirable size)	Listed	Listed	Listed	Listed	Listed	Not listed
Ethylene Glycol	Dev	Listed	Listed	Not listed	Listed	Listed	Listed
Chromium (trace <0.001%)	Cancer, Dev	Listed	Listed	Listed	Listed	Listed	Listed
Nickel (trace <0.001%)	Cancer	Listed	Listed	Listed	Listed	Listed	Listed
Arsenic (trace <0.0001%)	Cancer	Listed	Listed	Listed	Listed	Listed	Listed
Cobalt (trace <0.0001%)	Cancer	Listed	Listed	Not listed	Listed	Listed	Listed
Lead (trace <0.0001%)	Cancer, Dev	Listed	Listed	Listed	Listed	Listed	Listed

**California Proposition 65:** **WARNING:** This product can expose you to Silica, Quartz (dust), Chromium, Nickel, Arsenic, Cobalt and Lead, which are known to the State of California to cause cancer, and Ethylene Glycol, Chromium, and Lead, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Global Inventories:

Notification Status	
US - TSCA	All substances are listed
Canada -DSL	All substances are listed
Canada - NDSL	No substances are listed
Canada - WHMIS	Not Classified
EU - EINECS	All substances are listed
EU - ELINCS	No substances are listed
EU - NLP	No substances are listed
EU - Reach	Not Classified
Australia – AICS	All substances are listed
China - EICSC	All substances are listed
Japan - ENCS	All substances are listed
Korea - KECI	All substances are listed
Mexico - GHS	Not Classified
Taiwan - NECI	All substances are listed
New Zealand - NZIoC	All substances are listed
Philippine - PICCS	All substances are listed

SECTION 16	OTHER INFORMATION		
<b>NFPA 704 Rating:</b>	Health Hazards 1	Flammability 1	Reactivity 0
<b>HMIS Rating:</b>	Health Hazards 1	Flammability 1	Physical Hazards 0

**Previous Editions:** First Edition: 01/05/2024

**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®, a division of Holcim Solutions and Products US, LLC 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 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.