

SAFETY DATA SHEET

DERBIFLASH RS COLOR ADDITIVE



SECTION 1 IDENTIFICATION

Product Name	Derbiflash RS Color Additive Light Grey, Pebble Grey, Window Grey, Stone Grey, Beige Tint, Terra Cotta, Traffic Grey
Recommended Use	Color additive for RS line of products
Manufacturer	Performance Roof Systems
Address	4821 Chelsea Avenue Kansas City, MO 64130
Phone Number	(800) 727-9872
Emergency Number	(800) 424-9300 (CHEMTREC)

SECTION 2 HAZARDS

GHS Classification Carcinogenicity: Category 2

Hazard Pictographs



Signal Word

WARNING

Hazard Statements

H351 - Suspected of causing cancer

Precautionary Statements

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
P362 - Take off contaminated clothing and wash before reuse.
P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear gloves/protective clothing/eye protection/face protection

Response

P301 + P312 + P330 If swallowed: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P303+P361+P353 - If on skin (or hair), Rinse skin with water/shower
P304+P340+312 If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell
P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P370+P378 - In case of fire: Use carbon dioxide (CO₂), foam, dry extinguishing powder to extinguish

Storage

P403+P235 - Store in well-ventilated place. Keep cool
P405 - Store locked up.

Disposal

P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste

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SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
Titanium dioxide	13463-67-7	30 - 70
Carbon black	1333-86-4	1 - 5

Note: The above components and their percentages are provided for health and safety purposes, ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

* Component is not likely to occur above the limits of exposure considering its incorporated into the mixture and/or provided use.

SECTION 4 FIRST AID MEASURES

Eyes	If foreign matter enters eyes, immediately flush with large amounts of potable water for at least 15 minutes or until irritation subsides. Get medical attention if irritation persists.
Skin	Wash with plenty of soap and water. Remove all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention.
Inhalation	Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.
First-Aid, Ingestion	Immediately call a poison center. Do NOT induce vomiting. Rinse mouth.
Symptoms, Acute & Delayed	Refer to Section 11 - Toxicological Information
Immediate Medical Attention	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

SECTION 5 FIRE FIGHTING MEASURES

Fire Hazard	Non-combustible
Hazardous Products of Combustions	CO, CO ₂ , Nitrogen oxides, hydrocarbons, black smoke and methacrylic acid fumes.
Extinguishing Media	Universal foam, dry chemical powder, CO ₂ or sand
Firefighting instruction	Do not use a heavy water stream. Use standard procedure for chemical fires.
Explosion Hazard	None
Protection Gear	Do not enter fire area without proper equipment, including respiratory protection.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective clothing to avoid eye and skin contact. Ensure adequate ventilation.
Environmental Precautions	Avoid release into the environment. Report releases as required by local, state and federal authorities.
Method and Materials for Containment & Clean Up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. see Section 13, Disposal Considerations.

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration

HCS = Hazard Communication Standard

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SECTION 7 HANDLING AND STORAGE

Handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Use personal protective equipment as described in Section 8.
Storage	Keep only in the original container in a cool, well ventilated place away from incompatible materials. Keep container closed when not in use.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH
Titanium dioxide	13463-67-7	15 mg/m ³ TWA (total)	10 mg/m ³ TWA	Not Established
Carbon black	1333-86-4	3.5 mg/m ³ TWA (Respirable)	3.5 mg/m ³ TWA (Respirable fraction)	3.5 mg/m ³ TWA (Respirable)

Engineering Measures/ Controls

Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

General Industrial Hygiene

Use good industrial hygiene practices in handling this material.

Environmental Exposure Controls

Follow best practice for site management and disposal of waste.

PERSONAL PROTECTIVE EQUIPMENT

Pictographs



Eyes/Face

Safety glasses with side shields

Follow the national guidelines concerning the use of protective eye wear.

Hand

Protective Gloves

Leather or cotton gloves may be worn to prevent skin contact and irritation.

Skin/Body

Normal work clothing (long sleeved shirts, long pants and smooth bottom work shoes) is recommended.

Inhalation

Use NIOSH or MSHA approved respiratory protective equipment when airborne exposure limits are exceeded.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State

Liquid

Appearance

color varies

Odor

characteristic

Odor Threshold

No data available

pH

No data available

Relative Evaporation Rate

No data available

Boiling Point

>95°F (> 35 °C)

Freezing Point

No data available

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration
NIOSH = National Institute for Occupational Safety
MSHA = Mine Safety and Health Administration

PEL = Permissible Exposure Level
TLV = Threshold Limit Value

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	≈449.96°F (≈232.2 °C)
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor Density	Heavier than air
Specific Gravity	No data available
Density	≈ 1.74 g/cm ³
Solubility in Water	< 1.5 g/l
Viscosity	No data available
VOC	< 5 g/l

SECTION 10 STABILITY AND REACTIVITY

Stability	Material is stable under advised storage and handling conditions
Reactivity	No potentially hazardous reactions known
Incompatibility	Strong acids. Strong bases.
Hazardous Polymerization	Will not occur
Hazardous Decomposition	During a fire, irritating/toxic gases such as: carbon monoxide, carbon dioxide, nitrogen oxides, hydrocarbon by-products and black smoke

SECTION 11 TOXICOLOGICAL INFORMATION

Component Analysis

COMPONENT	CAS NUMBER	ORAL LD50 (mg/kg)	DERMAL LD50 (mg/kg)	INHALATION LC50 (mg/L)
Titanium dioxide	13463-67-7	> 2,000 (rat)	N/A	> 5.09 (rat) 4 hour
Carbon black	1333-86-4	>8,000 (rat)	>3,000 (rabbit)	N/A

POTENTIAL HEALTH EFFECTS

Eyes	
Acute (Immediate)	May cause temporary irritation, tearing and burning
Chronic (Delayed)	This product is not expected to cause serious eye damage or irritation
Skin	
Acute (Immediate)	Prolonged skin contact may cause dryness, redness or cracking
Chronic (Delayed)	This product is not expected to cause sensitization
Inhalation	
Acute (Immediate)	Prolonged inhalation may cause irritation of the nose, throat, and lungs
Chronic (Delayed)	No data available
Ingestion	
Acute (Immediate)	Gastrointestinal symptoms, including upset stomach
Chronic (Delayed)	No data available

ABBREVIATION KEY

ACGIH = American Conference of Governmental Industrial Hygiene
LD₅₀ = Lethal dose, 50 percent

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures
LC₅₀ = Lethal concentration, 50 Percent

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SECTION 11 TOXICOLOGICAL INFORMATION

Component Carcinogenicity	Titanium dioxide (13463-67-7) IARC: Group 2B - Not classifiable as to its carcinogenicity to humans Carbon Black (1333-86-4) IARC: Group 2B - Possibly carcinogenic to humans
Carcinogenic Effects	According to IARC, No significant exposure to titanium dioxide and carbon black should occur because these components are bound in the polymer matrix and dust exposure would not be expected
Reproductive Toxicity	Based on available data, the classification criteria are not met
Teratogenicity	Based on available data, the classification criteria are not met
Mutagenicity	Based on available data, the classification criteria are not met
Aspiration Hazard	Based on available data, the classification criteria are not met.
STOT Single Exposure	Based on available data, the classification criteria are not met.
STOT Repeated Exposure	Based on available data, the classification criteria are not met.

SECTION 12 ECOLOGICAL INFORMATION

Eco toxicity

COMPONENT	CAS NUMBER	FISH LC50 (mg/L)	DAPHNA EC50 (mg/L)	ALGAE EC50 (mg/L)
Titanium dioxide	13463-67-7	>1,000 (Fathead Minnow) 96 Hours	>500 (Water flea) 48 Hours	>61 (algae) 72 hours
Carbon black	1333-86-4	>1,000 (Rainbow trout) 96 Hours	>5,600 (Water flea) 48 Hours	>10,000 (algae) 72 hours

Persistence & Degradability	No Data Available
Bioaccumulative potential	No Data Available
Soil Absorption/Mobility	No Data Available
General Notes	No known significant effects or critical hazards

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method	The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.
Recommendation	Empty containers should be taken to an approved waste handling site for recycling or disposal. Packaging that cannot be reused after cleaning must be disposed or recycled in accordance with all federal, national and local regulations..

SECTION 14 TRANSPORT INFORMATION

Transportation Regulations	This product is not regulated as a hazardous material in transportation.
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ABBREVIATION KEY

IARC = International Agency for Research on Cancer
LC₅₀ = Lethal concentration, 50 Percent

STOT = Specific Target Organ Toxicity
EC₅₀ = Effective concentration, 50 Percent

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SECTION 15 REGULATORY INFORMATION

TSCA Inventory	Components are listed
DSL Inventory	Components are listed
CERCLA	This material does not contain any components with a CERCLA RQ
Sara 311/312 Categories	Chronic Health Hazard
Sara 313	This material does not contain any components with a section 304 EHS RQ
Clean Air Act	This product does not contain any hazardous air pollutants
CA Proposition 65	WARNING: This product can expose you to chemicals including carbon black and titanium dioxide which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov .

Right to Know States

COMPONENT	CAS NUMBER	CA	MA	MN	NJ	PA	RI
Titanium dioxide	13463-67-7	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	Yes	Yes	Yes	Yes	Yes

SECTION 16 OTHER INFORMATION

Preparation Date	April 2020
Revision Date	March 2022
Summary of Changes	Branding Update
Disclaimer	<p>The information and recommendations contained herein are to the best of Performance Roof Systems' knowledge and belief, accurate and reliable as of the date issued. Performance Roof Systems does not warrant or guarantee their accuracy or reliability, and Performance Roof Systems shall not be liable for any loss or damage arising out of the use thereof.</p> <p>The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from Performance Roof Systems.</p>

ABBREVIATION KEY

TSCA = Toxic Substances Control Act
CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act,

DSL = Domestic Substances List (Canada)
SARA = Superfund Amendments and Reauthorization Act