

**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** DERBIGUM Americas, Inc  
**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 (CO<sub>2</sub>), 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

ABBREVIATION KEY

GHS = Global Harmonized System

STOT = Specific Target Organ Toxicity



**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**

<b>Eyes</b>	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.
<b>Skin</b>	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.
<b>Inhalation</b>	Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.
<b>First-Aid, Ingestion</b>	Immediately call a poison center. Do NOT induce vomiting. Rinse mouth.
<b>Symptoms, Acute &amp; Delayed</b>	<b>Refer to Section 11 - Toxicological Information</b>
<b>Immediate Medical Attention</b>	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**

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

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration

HCS = Hazard Communication Standard

**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 <sup>3</sup> TWA (total)	10 mg/m <sup>3</sup> TWA	Not Established
Carbon black	1333-86-4	3.5 mg/m <sup>3</sup> TWA (Respirable)	3.5 mg/m <sup>3</sup> TWA (Respirable fraction)	3.5 mg/m <sup>3</sup> 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



**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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

**SECTION 10 STABILITY AND REACTIVITY**

<b>Stability</b>	Material is stable under advised storage and handling conditions
<b>Reactivity</b>	No potentially hazardous reactions known
<b>Incompatibility</b>	Strong acids. Strong bases.
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition</b>	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**

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

ABBREVIATION KEY

ACGIH = American Conference of Governmental Industrial Hygiene  
LD<sub>50</sub> = Lethal dose, 50 percent

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



**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.

ABBREVIATION KEY

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

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



**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](http://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  
**Summary of Changes** New product  
**Disclaimer** The information and recommendations contained herein are to the best of DERBIGUM Americas' knowledge and belief, accurate and reliable as of the date issued. DERBIGUM Americas does not warrant or guarantee their accuracy or reliability, and DERBIGUM Americas shall not be liable for any loss or damage arising out of the use thereof.

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