

SAFETY DATA SHEET
DERBIFLASH RS METAL PRIMER



SECTION 1 IDENTIFICATION

Product Name Derbiflash RS Metal Primer
Recommended Use Primer
Restrictions None
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 Eye Irritation: Category 2B
Carcinogenicity: Category 1A
STOT SE: Respiratory Tract Irritation and Narcotic Effects; Category 3
STOT RE: Respiratory Tract Irritation; Category 2

Hazard Pictographs



Signal Word

DANGER

Hazard Statements

H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H227 - Combustible Liquid
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H350 - May cause cancer

Precautionary Statements

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, sparks, open flames and other ignition sources
P233 - Keep container tightly closed
P261 - Avoid breathing vapors
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 out doors or in a well-ventilated area
P273 - Avoid release into the environment
P280 - Wear protective gloves/eye protection/face protection

Response

P301+P330+P331 - If swallowed: Rinse mouth; Do Not induce vomiting
P303+P361+P353 - If on skin (or hair), Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340+P312 - 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
P332+P313 - If skin irritation or rash occurs: Get medical advice/ attention.
P337+P313 - If eye irritation persists: Get medical advice/ attention.
P370+P378 - In case of fire: Use carbon dioxide (CO₂), foam, dry extinguishing powder to extinguish

ABBREVIATION KEY

GHS = Global Harmonized System

STOT = Specific Target Organ Toxicity

SAFETY DATA SHEET

DERBIFLASH RS METAL PRIMER



SECTION 2 HAZARDS

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

SECTION 3 COMPOSITION

Chemical Composition

COMPONENT	CAS #	PERCENT BY WEIGHT
Limestone*	1317-65-3	10 - 20
Titanium Dioxide*	13463-67-7	10 - 20
Mica*	12001-26-2	5 - 15
Quartz*	14808-60-7	5 - 10
Zinc phosphate	7779-90-0	5 - 10
Zinc oxide	1314-13-2	1 - 5
Diethylene glycol butyl ether	112-34-5	1 - 5
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	< 1
1-methyl-2-pyrrolidone	872-50-4	< 1

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.

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	Remove contaminated clothing and wash with soap and water. Get medical attention if irritation persists.
Inhalation	Remove affected person from source of exposure. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, give oxygen. Get medical attention.
Ingestion	DO NOT induce vomiting unless directed to do so by a physician or poison control center. Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Keep respiratory tract clear. Get medical attention immediately.
Symptoms, Acute & Delayed Immediate Medical Attention	Refer to Section 11 - Toxicological Information 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

ABBREVIATION KEY

LEL = Lower Explosion Limit
NFPA = National Fire Protection Association

UEL = Upper Explosion Limit

SECTION 5 FIRE FIGHTING MEASURES

Flash Point	> 199.9°F LEL: N/A UEL: N/A
Hazardous Products of Combustions	Carbon oxides and titanium/titanium oxides
Extinguishing Media	Foam CO ₂ or dry chemical extinguishers
Firefighting Instruction	Use standard procedure for chemical fires
Explosion Hazard	There is a potential for containers to rupture violently in fires. Use a water spray to cool fully closed containers.
Protection Gear	Do not enter fire area without proper equipment, including respiratory protection.

SECTION 6 ACCIDENTAL RELEASE MEASURES

General Measures	Remove ignition sources. Use special care to avoid static electric charges. No smoking.
Non-emergency Personnel	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Emergency Responders	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
Environmental Precautions	Avoid release into the environment. Report releases as required by local, state and federal authorities.
Methods and Material for Containment & Clean up	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of in an approved facility, see Section 13, Disposal Considerations.

SECTION 7 HANDLING AND STORAGE

Handling	Use personal protective equipment as described in Section 8. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 8) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

ABBREVIATION KEY

OSHA = Occupational Safety & Health Administration
NIOSH = National Institute for Occupational Safety
ACGIH = American Conference of Governmental Industrial Hygiene
REL = Recommended exposure limit

PEL = Permissible Exposure Level
TLV = Threshold Limit Value
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits

COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	NIOSH REL
Crystalline silica	14808-60-7	0.05 mg/m ³ TWA	0.025 mg/m ³ TWA	0.05 mg/m ³ TWA
Titanium Dioxide	13463-67-7	15 mg/m ³ TWA	10 mg/m ³ TWA	Not Established

**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

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

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	off-white
Odor	No data available
Odor Threshold	No data available
pH	9
Relative Evaporation Rate	0.09 (butyl acetate=1)
Boiling Point	>212°F; ≤100 °C
Freezing Point	No data available
Flash Point	>199.9°F; >93.3 °C
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (solid, gas)	No data available
Vapor pressure	0.31 kPa (20 °C)
Relative Vapor Density	1.34 (20 °C)
Density (lb/gal)	No data available
Solubility in Water	No data available
Viscosity, kinematic	>0.205 cm ² /s (40 °C)
VOC	50 g/L

ABBREVIATION KEY

NIOSH = National Institute for Occupational Safety

MSHA = Mine Safety and Health Administration

SECTION 10 STABILITY AND REACTIVITY

Stability	Material is stable under advised storage and handling conditions
Reactivity	No decomposition if stored and applied as directed
Incompatibility	No data available
Conditions to Avoid	No data available
Hazardous Polymerization	No data available
Hazardous Decomposition	No decomposition if stored and applied as directed

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
Tetramethyl Decyne diol	126-86-3	N/A	> 2,000 (rat)	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
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)	Irritation to mucus membranes and respiratory tract, nausea, dizziness and headache
Chronic (Delayed)	This product is not expected to cause respiratory sensitization
Ingestion	
Acute (Immediate)	Gastrointestinal symptoms, including upset stomach.
Chronic (Delayed)	No data available
Component Carcinogenicity	Crystalline silica (14808-60-7) IARC: Group 1 - Known Human Carcinogen (IARC Monograph 68 [1997]) ACGIH: A2 - Suspected Human Carcinogen NTP: Known Human Carcinogen Titanium Dioxide (13463-67-7) IARC: Group 2B - Known Human Carcinogen
Carcinogenicity	May cause cancer. Risk of cancer depends on duration and level of exposure.
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	Category 3; Tetramethyl Decyne diol, Respiratory tract irritation and narcotic effects
STOT Repeated Exposure	Category 2; Tetramethyl Decyne diol

ABBREVIATION KEY

LD50 = Lethal dose, 50 percent
 IARC = International Agency for Research on Cancer
 ACGIH = American Conference of Governmental Industrial Hygiene
 LC50 = Lethal concentration, 50 Percent

LC50 = Lethal concentration, 50 Percent
 NTP = National Toxicology Program
 STOT = Specific Target Organ Toxicity
 EC50 = Effective concentration, 50 Percent

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 96 Hours	>1,000 (Water flea) 48 Hours	N/A
Tetramethyl Decyne diol	126-86-3	>42 (Carp) 96 Hours	>91 (Water flea) 48 Hours	>15 (algae) 72 Hours

Biodegradability	No Data available
Bioaccumulation Potential	No Data available
Soil Absorption/Mobility	No Data available
Ozone-Depletion Potential	No known significant effects or critical hazards

SECTION 13 DISPOSAL CONSIDERATIONS

Product Waste	The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.
Packaging Waste	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.
National Motor Freight Classification (NMFC)	

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 silica 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
Crystalline silica	14808-60-7	Yes	Yes	Yes	Yes	Yes	Yes
Titanium Dioxide	13463-67-7	Yes	Yes	No	Yes	Yes	No
Tetramethyl Decyne diol	126-86-3	No	No	No	Yes	Yes	No

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

SECTION 16 OTHER INFORMATION

Preparation Date

April 2020

Revision Date

March 2022

Summary of Changes

Branding Update

Disclaimer

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