

Safety Data Sheet

Prolite Series

SDS No. 15073.13

Date of Preparation: 6/16/08

Revision: 9/27/21

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Prolite Series

Chemical Formula: Lightweight Filler

General Use: Engineered filler for use with thermoplastics and thermosets

Manufacturer: The R.J. Marshall Company

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Date Revised: 9/27/21

Preparer: Stephanie Nichols

HMIS

H 1

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PPE† E

†Sec. 8

Section 2 - Hazards Identification

Signal Word: Danger



Pictogram:

Hazard Statements: May cause cancer by inhalation through prolonged or repeated exposure.

Precautionary Statements:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye and face protection.

If exposed or concerned: Get medical advice/attention.

Store locked up.

Dispose of in accordance with local regulations.

Section 3 - Composition / Information on Ingredients

Ingredient Name	CAS Number	Weight
Crystalline Silica	14808-60-7	<1%

There are no other hazardous ingredients in this product.

Section 4 - First Aid Measures

Description of necessary measures subdivided according to the different routes of exposure:

Inhalation: If overcome by high dust concentrations, remove to a ventilated area.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water.

Skin Contact: After contact with skin wash immediately with plenty of soap and water.

Ingestion: Drink plenty of water. Never give liquids to an unconscious person.

Section 5 - Fire-Fighting Measures

Suitable Extinguishing Media: In case of fire use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media: None known.

Unusual Fire or Explosion Hazards: None known.

Hazardous Combustion Products: None.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Avoid dust formation. Remove all sources of ignition.

Methods and materials for containment and clean-up: Sweep or vacuum up material and collect it in a suitable container for disposal.

Section 7 - Handling and Storage

Handling Precautions: Do not breathe dust. Avoid generating dust during handling. Use a respiratory mask when handling the product if dusting cannot be avoided. Keep away from heat/sparks/open flames. No smoking.

Storage Requirements: Keep material dry. Store in a cool, well-ventilated area. Keep away from acids.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Respiratory Protection: In case of insufficient ventilation use suitable respiratory protection. If a respirator is required, use an MSHA/NIOSH or OSHA/NIOSH-approved respirator.

Protective Clothing/Equipment: Wear eye/face protection. Rubber gloves are recommended for prolonged exposure.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Crystalline Silica	0.05 mg/m ³ respirable dust	N/E	.025 mg/m ³ respirable	N/E
N/E not established				

Section 9 - Physical and Chemical Properties

Appearance: white powder

Odor: odorless

Odor Threshold: not applicable

pH: not applicable

Freezing/Melting Point: not applicable

Boiling Point: not applicable

Flash Point: None known

Flash Point Method: n/a

Evaporation Rate: not applicable

Flammability: not flammable

Upper/lower flammability limits: non-flammable

Vapor Pressure: not applicable

Vapor Density (Air=1): not applicable

Relative Density: varies

Water Solubility: slight

Other Solubilities: n/a

Partition coefficient: n-octanol/water: not determined

Auto-ignition Temperature: Not determined

Decomposition Temperature: not determined.

Viscosity: not applicable

Section 10 - Stability and Reactivity

Reactivity: Hazardous polymerization cannot occur.

Chemical Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Possibility of hazardous reactions: Reacts with acids to form carbon dioxide.

Conditions to Avoid: Do not expose to temperatures above 122°F (50°C).

Incompatible materials: Acids.

Hazardous Decomposition Products: Thermal decomposition can produce carbon monoxide, carbon dioxide, nitrogen oxides, and hydrogen chloride.

Section 11- Toxicological Information

Information on the likely routes of exposure: Inhalation, Eye, and Ingestion

Symptoms related to the physical, chemical, and toxicological characteristics:

Inhalation: Inhalation of a high concentration of this inert nuisance particulate can result in mild irritation of the respiratory tract.

Eye: May cause irritation through mechanical abrasion

Skin: May cause irritation through mechanical abrasion

Ingestion: Unlikely

Delayed and immediate effects and chronic effects from short- and long-term exposure: This product contains crystalline silica as an impurity. Prolonged exposure to respirable crystalline silica dust concentrations exceeding occupational exposure limits without the use of the proper respirator may increase the risk of developing a disabling lung disease called silicosis.

Numerical measures of toxicity:

Acute Oral Toxicity: LD₅₀ >5000 mg/kg

Carcinogenicity: This product is not listed as a carcinogen under NTP, IARC, or OSHA. IARC and NTP have listed crystalline silica as a human carcinogen.

Section 12 - Ecological Information

Eco-toxicity: Toxicity to fish: LC₅₀ >5000 mg/l Exposure time: 96 hours

Persistence and degradability: not applicable

Bio-accumulative potential: not applicable

Mobility in soil: not applicable

Results of PBT and vPvB assessment: not classified

Section 13 - Disposal Considerations

Disposal: Recycle if possible or landfill. This substance is inert and does not require special disposal methods. Follow applicable Federal, state, and local regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

UN Number: Not hazardous

UN proper shipping name: Not hazardous

Transport hazard classes: Not hazardous

Packing group, if applicable: Not hazardous

Environmental hazards: Not hazardous

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not hazardous

Special precautions: None

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261?): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) Not listed

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

Prop65: This product can expose you to chemicals including crystalline silica which is known to the State of California to cause cancer.

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

TSCA

This substance or all its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

International Regulations

Australia: Listed on AICS, Australia Inventory of Chemical Substances.

Canada: Listed on DSL.

China: Listed on IECSC, Inventory of Existing Chemical Substances China

Europe: Listed on EINECS, European Inventory of Existing Commercial Chemical Substances.

Japan: Listed on ENCS, Existing and New Chemical Substances.

Korea: Listed on ECI.

New Zealand: Listed on NZIoC, New Zealand Inventory of Chemicals.

Philippines: Listed on PICCS, Philippine Inventory of Chemical and Chemical Substances.

Taiwan: Listed on NECI, National Existing Chemical Inventory.

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: Updated section 16

Product Grades Available from the R.J. Marshall Company (this list may be incomplete):

PLC500M	PLQ325	Prolite15	Prolite15AE	Prolite25
Prolite25AF	Prolite35	Prolite42	Prolite50	Prolite50AE
Prolite50AIM	Prolite55	Prolite1050	ProliteC130	ProliteC150
ProliteC250	ProliteC500	ProliteC700	Prolite40FG	Prolite50FG
ProliteFR40	ProliteFR50	ProliteFR50FG		

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