

MSDS**Material Safety Data Sheet****Nike Grind Pre-Consumer Rubber Granulate**

From: USA:
Nike, Inc.
(800)-344-6453
One Bowman Ave
Beaverton, OR 97005

Product Information:

Emergency Information:
(US/Canada)

(503) 671-3911-

(International)

+(0) 01 503 671 3911-

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1. Product Identification

Product Name: NIKE GRIND PRE-CONSUMER RUBBER GRANULATE
Product Description: Reclaimed rubber from the manufacturing of Nike Footwear (10-20 mesh, 10-25 mesh, 10-30 mesh, 1-4 mm)
Synonyms: Synthetic rubber, Nike Re-Grind, Re-Grind

2. Hazard Identification

This material is not classified as hazardous under either GHS or OSHA criteria.

3. Composition and Information on Ingredients

Ingredients	Synonyms	CAS No.	Wt%
Polybutadiene/Isoprene/ butyl nitrile bloc polymer	Synthetic Rubber	68514-37-4	>98
		9003-31-0	
		9003-18-3	
Zinc Oxide	ZnO-80 Activator	1314-13-2	< 2

4. First Aid Measures

Take proper precautions to ensure your own health and safety before attempting to rescue a victim and providing first aid. For specific information refer to the Emergency Overview Section of this MSDS.

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable

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position and keep warm. Keep at REST until fully recovered. Effects may be delayed. Seek medical advice.

Skin Contact: Not applicable

Eye Contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

Ingestion: Choking hazard. If breathing stops, apply Heimlich thrust and evacuation. Seek immediate medical attention.

5. Fire Fighting Measures

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Fire Fighting Instructions: Flammable polymer. Not easily ignited. However, when ignited, and particularly in bulk storage, a hot and difficult to control fire may develop. This material emits acrid smoke and fumes when burning. No explosion hazard.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide, cyanide, incomplete organic combustion products.

Fire Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.

6. Accidental Release Measures

Wear NIOSH approved respirator for dust handling. Collect product and re-use if possible. Place waste in a bag and hold for disposal. Do not wash down with water. Keep away from ignition sources.

7. Handling and Storage

Handling: Avoid formation of dust and aerosols under uncontrolled conditions. Provide appropriate exhaust ventilation at places where dust is formed. Make sure there is sufficient ventilation in the work area.

Storage: Store away from excessive heat.

8. Exposure Controls and Personal Protection

Airborne Exposure Limits (PEL): 15 mg/m³ TWA

Respiratory Protection: For respirable content up to concentrations up to 5 mg/m³: any HEPA and/or particulate full face respirator equipped with an N95, R95, or P95 filter (including N95, R95, and P95 filtering face pieces). The following filters may also be used: N99, R99, P99, N100, R100, P100. Reference OSHA requirements under 25CFR 1910.1027 for higher concentration environments.

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Ventilation System: Use negative pressure containment and local exhaust under dusty preparations.

Skin Protection: Wear gloves and protective coveralls.

Eye Protection: Safety glasses or goggles.

9. Physical and Chemical Properties

Appearance: Irregular granules ranging from 200 µm to 4 mm depending on grade. Varied color.

Odor: Distinctive.

Odor Threshold: Not Available

% Solubility in H₂O: Insoluble

pH: Not Applicable

Specific Gravity @ 25°C: 1.11-1.98 g/cm³.

Molecular Weight: > 10,000 g/mol

Solubility in H₂O: > 0.0001 mg/l

Solubility: Not Determined

Log Partition Coefficient: Not Applicable

Viscosity: Solid

% Volatiles by Volume @ 70°F: < 0.5%

Flammability: Slightly flammable

Flash point: 280 °C (DIN 51584)

Auto-ignition: Not determined

Melting Point: Approx 410 °C.

Boiling Point @ 760 mmHg: Not Applicable.

Vapor Density (Air = 1): Not Applicable

Vapor Pressure (mm Hg): Approx. Not Applicable

Decomposition Temperature: > 500 °C.

10. Stability and Reactivity

Stability: Stable at room temperature.

Hazardous Decomposition Products: None.

Hazardous Polymerization: None.

Incompatibilities: Strong oxidizing agents.

Conditions to Avoid: Avoid dust accumulation.

11. Toxicological Information

Acute Toxicity: Inhalation Not Determined

Oral DNEL: Not Determined

Dermal DNEL: Not Determined

Inhalation: Inhalation of particulates may cause irritation of mucosal membranes.

Skin: May cause abrasive irritation if exposed for prolonged periods.

Eyes: Slight eye irritant. No specific syndrome identified.

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Ingestion: The substance may cause effects on the gastrointestinal tract if ingested in significant quantities.

12. Ecological Information

Environmental Fate: Not readily biodegradable; does not bioaccumulate.

Environmental Mobility: Non-soluble. Particulate matter mobile in water

Environmental Toxicity: Very low toxicity. May produce habitat hazards in high volume releases. No measurable aquatic toxicity. No measurable aquatic toxicity. May leach zinc into runoff water particularly right after fresh applications. First flush available zinc has been measured at <1 mg/kg.

13. Disposal Information

Dispose of properly. Do not dump or release directly to waterways. Incinerate, treat or landfill in accordance with applicable environmental control regulations. Recycle if possible. Not a categorical or listed hazardous waste based on TCLP data and process knowledge.

14. Transport Information

UN Number: 1345

UN Class: 4.1

15. Regulatory Information

Not regulated for reporting.

16. Other Information

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