



**CRUMB RUBBER
SAFETY DATA SHEET (SDS)**

Section 1: Identification

- (a) Product identifier used on the label: Crumb Rubber
- (b) Other identifiers: *None*
- (c) Recommended Use: As a ingredient in rubberized asphalt, sports fields/tracks, mulch, or rubber molded products
- (d) Manufacturer: CRM Co., LLC
15800 S Avalon Blvd, Rancho Dominguez, CA 90220
1404 S Fresno Ave, Stockton CA 95206
11400 E Pecos Rd, Mesa, AZ 85212
4294 Albany Street, Albany, NY 12205
150 Garden Avenue, Brantford, ON N3S7W4
- (e) Emergency Phone Number: (480) 987-3006
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Section 2: Hazard Identification

- (a) Classification of the chemical in accordance with 1910.1200(d): *None*
- (b) Signal word, Hazard statements, symbol, and precautionary statements in accordance with 1910.1200(f): *N/A*
- (c) Hazards not otherwise classified: This material is generally thought to be a nuisance dust.
- (d) Ingredients of unknown acute toxicity: *None*
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Section 3: Composition / Information on ingredients

- (a) Chemical name and concentration range of all ingredients which are classified as health hazards:

MATERIAL (CAS)	WT%
Napthenic/Aromatic Oil (64742-04-07)	Aprox. 22%
Carbon Black (133-86-4)	Aprox. 25%

MATERIAL (CAS)	WT%
Talc, respirable dust (14807-9-6)	less than 5%
Zinc Oxide, fume (1314-12-2)	less than 3%
Zinc Oxide, total dust (1314-12-2)	less than 3%
Respirable fraction	less than 3%

(b) A concentration range is reported above because of batch-to-batch variability.

Section 4: First-aid measures

(a) Description of necessary measures:

Inhalation	This product contains fine particles and may contain fine fibers that may be inhaled. In the event of exposure to high concentrations of fine fibers, remove affected personnel from area.
Skin contact	Wash skin with soap and water.
Eye contact	Wash eyes with water.
Ingestion	Ingestion of product is unlikely, and product is inert and does not pose an ingestion hazard.

(b) Most important symptoms/effects: This product contains fine fibers and particles that may cause itching. This product could potentially aggravate allergies to dust exposure or inhalation.

(c) Indication of immediate medical attention: *None known.*

Section 5: Fire fighting measures

(a) Suitable (and unsuitable) extinguishing media: Water, Foam, Dry Powder
(DO NOT USE HIGH PRESSURE WATER)

- (b) Specific hazards arising from the chemical: Dust may be explosive if mixed with air in critical proportions (approx. 0.025 oz/ft³) and in the presence of an ignition source. The hazard is similar to that of many organic solids. (concentration estimate is based on 200 mesh dust).

Oils will be released during combustion.

- (c) Special protective equipment and precautions for firefighters: Noxious gasses may be formed under fire conditions, wear OSHA approved SCBA.

Section 6: Accidental release measures

- (a) Personal precautions, protective equipment, and emergency procedures: Wear gloves and other protective clothing while cleaning up. Material is NOT a hazardous waste.
- (b) Methods and materials for containment and cleaning up: Sweep or vacuum into disposal containers. Dispose of in accordance with federal, state, and local laws and regulations.

If material burns, oils will be released. These must be disposed of in accordance with federal, state, and local laws and regulations.

Section 7: Handling and storage

- (a) Precautions for safe handling: Take care not to spill material, or to release fine particles and fibers into the air.
- (b) Conditions for safe storage: Do not store near flame or ignition source. Do not store hot material in tubs or containers where spontaneous combustion could occur.

Section 8: Exposure controls/personal protection

- (a) Exposure limit of ingredients/materials that may be released from product:

MATERIAL (CAS)	OSHA PEL	ACGIH TLV
Napthenic/Aromatic Oil (64742-04-07)		(5.0 mg/m ³)
Carbon Black (133-86-4)	3.5 mg/m ³	

MATERIAL (CAS)	OSHA PEL	ACGIH TLV
Talc, respirable dust (14807-9-6)	2.0 mg/m ³	(2.0 mg/m ³)
Zinc Oxide, fume (1314-12-2)	5.0 mg/m ³	(10 mg/m ³)
Zinc Oxide, total dust (1314-12-2)	10 mg/m ³	
(b) Appropriate engineering controls:	No engineering controls are recommended for this product.	
(c) Individual protection measures:	Gloves, ventilation mask, and protective clothing	

Section 9: Physical and chemical properties

(a) Appearance:	Black, granular particles
(b) Odor:	Slight smell of vulcanized rubber
(c) Odor Threshold:	Not found
(d) pH:	Not found
(e) Melting point/freezing point:	Not found
(f) Initial boiling point and boiling range:	Not found
(g) Flash point:	For a dust cloud: Approx 320°C
(h) Evaporation rate:	Not found
(i) Flammability (solid, gas):	Will burn when exposed to excessive heat or flame.
(j) Upper/lower flammability or explosive limits:	LEL = 0.025 oz/ft ³
(k) Vapor pressure:	N/A
(l) Vapor density:	N/A
(m) Relative density:	0.95 to 1.4
(n) Solubility:	Not found
(o) Partition coefficient:	Not found

(p)	Auto-ignition temperature:	370 – 450°C
(q)	Decomposition temperature:	Not found
(r)	Viscosity:	Not found

Section 10: Stability and reactivity

(a)	Reactivity:	Stable
(b)	Chemical stability:	Stable
(c)	Possibility of hazardous reactions:	Hazardous polymerization will not occur
(d)	Conditions to avoid:	Do not store hot material in hoppers due to the possibility of spontaneous combustion.
(e)	Incompatible materials:	Avoid strong oxidizing agents.
(f)	Hazardous decomposition products:	Thermal decomposition may produce carbon monoxide, carbon dioxide, fume dust, sulfur dioxide, zinc oxide, liquid and gaseous hydrocarbons.

Section 11: Toxicological information

(a)	Likely routes of exposure:	Inhalation of dust
(b)	Symptoms of exposure:	Mild irritation of the respiratory tract
(c)	Delayed, immediate, and chronic effects of exposure:	Mild irritation of the respiratory tract
(d)	Numerical measures of toxicity:	Not found
(e)	Carcinogen?:	No

Section 12: Ecological Information (non-mandatory)

Not available

Section 13: Disposal considerations (non-mandatory)

Not available

Section 14: Transport Information (non-mandatory)

Not available

Section 15: Regulatory information (non-mandatory)

Not available

Section 16: Other information, including date of preparation or last revision

Date of last revision: January 16, 2019