

CRUMB RUBBER
MATERIAL SAFETY DATA SHEET

CRM of America, LLC
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Mesa, Arizona 85212

Emergency Phone Number (480/987-3006)

I. PRODUCT IDENTIFICATION/CHEMICAL & PHYSICAL CHARACTERISTICS

PRODUCT NAME: *Crumb Rubber* Solubility in Water: *Insoluble*
APPEARANCE: *Black granular particles* **ODOR:** *Slight smell of vulcanized rubber*
SPECIFIC GRAVITY: *.95 to 1.4* **MELTING POINT:** *N/A*
VAPOR PRESSURE: *N/A* **VAPOR DENSITY:** *N/A*
EVAPORATION RATE: *N/A* **BOILING POINT:** *N/A*

II. HAZARDOUS INGREDIENTS

MATERIAL (CAS)	WT%	OSHA PEL	ACGIH TLV
Napthenic/Aromatic Oil (64742-04-07)	<i>Aprox. 22%</i>		<i>(5.0 mg/m³)</i>
Carbon Black (133-86-4)	<i>Aprox. 25%</i>	<i>3.5 mg/m³</i>	
Talc, respirable dust (14807-9-6)	<i>Less than 5%</i>	<i>2.0 mg/m³</i>	<i>(2.0 mg/m³)</i>
Zinc Oxide, fume (1314-12-2)	<i>Less than 3%</i>	<i>5.0 mg/m³</i>	<i>(10mg/m³)</i>
Zinc Oxide, total dust (1314-12-2)	<i>Less than 3%</i>	<i>10 mg/m³</i>	
Respirable fraction	<i>Less than 3%</i>		

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Ignition temperature of dust cloud: 320°C (608°F) *Approximately*

LEL: *0.025 ounce/cubic foot*

UEL: *N/A*

EXTINGUISHING MEDIA: *Water, Foam, Dry Powder (DO NOT USE HIGH PRESSURE WATER)*

SPECIAL FIRE FIGHTING PROCEDURES: *Noxious gases may be formed under fire conditions, wear OSHA approved self-contained breathing apparatus.*

UNUSUAL FIRE AND EXPLOSION HAZARDS: *Dust may be explosive if mixed with air in critical proportions and in the presence of an ignition source. The hazard is similar to that of many organic solids*.*

**Estimate is based on data for 200 mesh synthetic and hard natural rubber.*

IV. REACTIVITY DATA

STABLE: *YES*

CONDITIONS TO AVOID: *Conditions that will cause ignition or burning.*

INCOMPATIBILITY (material to avoid): *Avoid strong oxidizing agents.*

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: *Thermal decomposition may produce carbon monoxide, carbon dioxide, fume dust, sulfur dioxide, zinc oxide, liquid and gaseous hydrocarbons.*

HAZARDOUS POLYMERIZATION: *Will not occur.*

CONDITIONS TO AVOID: *Do not store hot material in hoppers due to the possibility of spontaneous combustion.*

V. HEALTH HAZARD DATA

ROUTES OF ENTRY: *Inhalation*

HEALTH HAZARDS (Acute and Chronic): *The product contains fine particles and can contain fine fibers that may cause itching. Otherwise, no health hazards are known. This material is generally thought to be a nuisance dust.*

CARCINOGENICITY: *Rubber, synthetic or natural, is not listed as a carcinogen.*

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: *None are known, however, it could potentially aggravate allergies to dust exposure or inhalation.*

EMERGENCY AND FIRST AID PROCEDURES: *Normal washing of skin with soap and water, ordinary means of personal hygiene are adequate.*

VI. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: *Sweep or vacuum into disposal containers.*

WASTE DISPOSAL METHOD: *Product not defined as a hazardous waste. Dispose of in accordance with federal, state, and local regulations.*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: *Do not store near flame or ignition source. Do not store hot material in tubs or containers where spontaneous combustion could occur.*

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

VII. CONTROL MEASURES

RESPIRATORY PROTECTION (Specify Type): Use any dust and mist respirator for up to 10 mg/m³.

VENTILATION: *Yes, if dusty conditions occur.*

SPECIAL: *None*

MECHANICAL: *Dust collectors and exhaust fans.*

PROTECTIVE GLOVES: *Recommended.*

EYE PROTECTION: *Use safety goggles to prevent dust entry.*

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: *Enough fresh air should flow past the user to prevent exposure to airborne fibers and particles.*

WORK / HYGIENIC PRACTICES: *Good personal hygiene, frequent washing with soap and water of exposed areas, remove and clean soiled clothing.*

The information contained in this MSDS is consistent with the US Department of Labor OSHA form OMB No. 1218-0072. Consult OSHA Hazard Communication Standard 29 CFR 1910.1200 for additional information. To fully understand the use of any material the user should avail themselves to reference material and expert consultation in the fields of fire prevention, ventilation, and toxicology.