



CRUM RUBBER
MATERIAL SAFETY DATA SHEET

CRM, LLC
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Rancho Dominguez, CA 90220

Emergency Phone Number (310) 538-2222

I. PRODUCT IDENTIFICATION/CHEMICAL & PHYSICAL CHARACTERISTICS

PRODUCT NAME: <i>Crumb Rubber.</i>	Solubility in Water: <i>Insoluble</i>
APPEARANCE: <i>Black granular particles</i>	ODOR: <i>Smell of vulcanized rubber</i>
SPECIFIC GRAVITY: <i>1.1-1.2 g/cc</i>	MELTING POINT: <i>N/A</i>
VAPOR PRESSURE: <i>N/A</i>	VAPOR DENSITY: <i>N/A</i>
EVAPORATION RATE: <i>N/A</i>	BOILING POINT: <i>N/A</i>

II. HAZARDOUS INGREDIENT

MATERIAL (CAS)	WT%	OSHA PEL	(ACGIH TLV)
Napthenic/Aromatic Oil (64742-04-7)	<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 (STEL)</i>	<i>10 mg/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 approve self-contained breathing apparatus.*

UNUSUAL FIRE AND EXPLOSION HAZARDOUS: *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*

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

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

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

HAZARDOUS POLYMERIZATION: *Will not occur.*

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

V. HEALTH HASAD DATA

ROUTES OF ENTERY: *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 generally thought to be a nuisance dust.*

CARCINOGENICITY: *Rubber syntactic 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 SPILED: *Sweep or vacuum into disposal containers.*

WASTE DISPOSAL METHOD: *Product not defined as 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. There must be disposed of in accordance with federal, state, and local regulations.*

VII. CONTROL MESURES

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

VENTALITION: *Yes if dusty condition occur.*

SPECIAL: *None*

MECHANICAL: *Dust collectors and exhaust fans.*

PROTECTIVE GLOVES: *Recommend.*

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

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

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

The information contained in this MSDA 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 for reference material and expert consultation in the fields of fire prevention, ventilation, and toxicology.