

Symptoms and Effects of Exposure to Selected Individual Components (continued)

BUTYL RUBBER

A reclaimed material that encapsulates various chemicals in a fully cured butyl rubber matrix.

Inhalation hazards – May cause mild irritation of the respiratory tract.

Other hazards – Eyes – may cause mild transient eye irritation.

CALCIUM CARBONATE

A white, finely pulverized powder with no odor.

Inhalation hazards – Limestone dust is considered a nuisance dust. Prolonged exposure may cause irritation to throat and lungs. Silica content is not considered high enough to cause silicosis unless exposures are extremely high and prolonged.

Other hazards – Eyes – may cause mild transient eye irritation.

CALCIUM FLUORIDE

Inhalation hazards - Toxic effects are not reported, but exposure to dust may cause coughing and respiratory tract irritation.

Other hazards – Contact may cause eye irritation. Long-term fluoride exposure can cause fluorosis with bone degeneration and teeth mottling.

CARBON BLACK

Inhalation hazards – Should be treated as a nuisance dust. Exposure may cause temporary upper respiratory tract discomfort. IARC classifies carbon black as Group 2, possibly carcinogenic to humans. Proposition 65 lists carbon black as a cancer-causing chemical.

CASHEW RESIN – CURED, CASHEW PARTICLE

Inhalation hazards – Cured cashew particles are generally considered to be a nuisance dust, but prolonged exposure may cause irritation of nasal and respiratory tracts leading to sensitization. In the unlikely event of formaldehyde vapors and/or uncured cashew liquid being present, this may cause dermatitis and could lead to a form of nasal cancer.

CELLULOSE

A non-toxic, fibrous flock, practically odorless.

Inhalation hazard – Acute: dryness of nose, eye irritation, and nasal obstruction. Chronic: no data available.

CERAMIC FIBERS

Inhalation hazards – Overexposure to respirable fibers by inhalation may cause mild and temporary upper respiratory irritation, with discomfort or cough. NTP has listed respirable ceramic fibers as Group B, reasonably anticipated to cause cancer in humans. IARC has listed ceramic fibers as Group 2B, possibly carcinogenic to humans. ACGIH classifies refractory ceramic fibers as A2, a suspected human carcinogen.

Other hazards – The mechanical action of fibers may cause slight skin irritation and mild irritation of the eyes and nasal passages. Ingestion may cause gastrointestinal irritation, vomiting, and diarrhea.

COKE, CALCINED

Inhalation hazards – May irritate mucous membranes by mechanical or chemical means. May cause lung inflammation.

Other hazards – May cause slight to moderate eye irritation. May cause skin irritation.

CHROMITE

Chromite (chromite ore) is a trivalent chromium compound.

Inhalation Hazards – Negligible.

Other hazards – LD₅₀(oral) > 10g/kg. IARC states "Chromite ore has been extensively tested in rats by intrabronchial, intrapleural, and intrafemoral administration; no increase in the incidence of tumors was seen." Chromite ore is not explicitly listed by NTP but the text, under "chromium and certain chromium compounds" states: "Injection-site sarcomas were produced in rats and mice after intramuscular, intrapleural, and subcutaneous injections of chromite ore..."