

	TWA	
Calcium carbonate	10mg/m ³	—
Calcium hydroxide	5mg/m ³	15mg/m ³ (T) 5mg/m ³ (R)
Glass fiber	1fiber/cm ³	15mg/m ³ (T) 5mg/m ³ (R)
Chromium(III) oxide	0.5mg/m ³	—
Aluminum oxide (Powder)	10mg/m ³	15mg/m ³ (T) 5mg/m ³ (R)

TLV: Threshold limit value, TWA: Time weighed average, (T): Total dust, (R): Respirable fraction (STEL): Short term exposure limit, (resp.): respirable, (Zr): As elements

Personal protection equipment : Dust mask, Resistant gloves(cotton, cloth, rubber)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Light Brown Color, Solid (Article)
 Odor : Slightly aromatic odor
 Solubility : Insoluble in water

10. STABILITY AND REACTIVITY

Stability : Stable under normal condition and anticipated storage.

Physical conditions change :

- When combusted, harmful gases (ammonia, carbon monoxide, metal fume, etc) may be generated.

11. TOXICOLOGICAL INFORMATION

Dust is harmful and if inhaled in high dose, it may cause health disorder.

- Acute toxicity¹⁾²⁾

Rat (Oral) ; LD₅₀ 5000 mg/kg (Phenol resin),
 LD₅₀ 7340 mg/kg (Calcium hydroxide)
 LD₅₀ 6450 mg/kg (Calcium carbonate)
 Rat (Dermal) ; LD₅₀ 2000 mg/kg (Phenol resin)
 LD₅₀ : Lethal dose 50% kill

Skin corrosion/irritation¹⁾²⁾ :

Dust, Calcium carbonate and Calcium hydroxide cause mild skin irritation and corrosion. Wash all exposed area of skin with plenty of soap and water so that transient skin reaction (pruritus, erythema) may not occur.

Serious eye danger/eye irritation¹⁾ :

Dust causes eye hurt. Calcium carbonate, Calcium hydroxide may be corrosive to eyes.

Respiratory sensitization/Skin sensitization¹⁾ : -

Germ cell mutagenicity¹⁾ : -

Carcinogenicity¹⁾³⁾⁴⁾ :

Group 3 (Not classifiable as to its carcinogenic to humans): Glass fiber