

Skin Irritation

rabbit, Draize, Non-irritating

Eye Irritation severe
irritant

Sensitization

Skin sensitization: sensitizer (Human)

Toxicity Data for Ammonium Hydroxide

Acute Oral Toxicity

LD50: 350 mg/kg (rat)

Acute Inhalation Toxicity

LC50: 2.87 mg/l, 4 h (rat)

Skin Irritation

Corrosive

Eye Irritation

Human, Severely irritating

Sensitization

Skin sensitization: negative

Mutagenicity

Genetic Toxicity in Vitro:

Ames: negative (E. coli, Metabolic Activation: without)

Toxicity Data for Crystalline Quartz Silica

Acute Oral Toxicity

LD50: 500 mg/kg (rat)

Mutagenicity

Genetic Toxicity in Vitro:

Ames: Negative results were reported in various in vitro studies. (Salmonella typhimurium, Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

Sister Chromatid Exchange: ambiguous (hamster) ambiguous

Carcinogenicity

rat, Male/Female, inhalation, 2 years, 6 hrs/day 5 days/week, positive

Carcinogenicity:

Titanium dioxide (Rutile) **IARC** - Overall evaluation: 2B Possibly carcinogenic to humans.

1,3-Benzenedicarbonitrile, **IARC** - Overall evaluation: 2B Possibly carcinogenic to humans.
2,4,5,6-tetrachloro-

Crystalline Quartz Silica **NTP** - Hazard Designation: Known to be Human Carcinogen.

IARC - Overall evaluation: 1 Carcinogenic to humans.

