















**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.



