Material Data Sheet for N550H/B23

MSDS No.: NAC-DP-03-24-06A Current Issue Date: May.23 2013

Zirconium silicate

Chronic Toxicity: Inhalation of zirconium compounds may cause pulmonary granulomas. Zirconium

silicate contains trace quantities of naturally occurred radioactive uranium and

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thorium. Inhalation of respirable dusts may cause lung cancer.

Mica

Acute Toxicity: Eye contact may cause irritation

Skin contact may cause irritation

Ingestion may cause gastrointestinal irritation, nausea and diarrhea.

Chronic Toxicity: Long term exposure to high amount of mica without the approved dust mask may

lead to chronic cough, dyspepsia or respiratory dysfunction.

Copper

Acute Toxicity: Inhalation can cause cough, headache, shortness of breath, and sore throat.

Skin contact can cause redness. Eye contact can cause redness, pain.

Ingestion can cause abdominal pain, nausea, and vomiting.

Chronic Toxicity: Repeated or prolonged contact may cause skin sensitization.

Barium sulfate

Acute Toxicity: Skin contact may cause irritation.

Eye contact may cause irritation.

Chronic Toxicity: Lungs may be affected by repeated or prolonged exposure to dust particles,

resulting in baritosis (a form of benign pneumoconiosis).

Graphite

Acute Toxicity: Inhalation can cause cough.

Skin contact can cause roughness.

Chronic Toxicity: Lungs may be affected by repeated or prolonged exposure to dusts, resulting in

graphite pneumoconiosis.

Titanium dioxide

Carcinogenicity: This substance is contained in potassium titanate bulk as solid solution. IARC

evaluation is based on powder inhalation, so titanium dioxide in potassium titanate

may not present carcinogenicity as powder.

Zirconium dioxide

Acute Toxicity: Inhalation may cause mechanical irritation on respiratory tract.

Skin contact may cause mechanical irritation. Eye contact may cause mechanical irritation.

Ingestion may cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea.

Tox no. : 178587 Last Reviewed (C2 Status): 22/Oct/2015