

Material Safety Data Sheet

ThermoFisher
SCIENTIFIC

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I. PRODUCT INFORMATION

Product: TIBC Column

Components: Alumina

II. TOXICITY HAZARDS

Fine white powder. Powder is not considered to be a hazardous materials according to OSHA regulations 29CFR, Part 1910.1200.

III. PHYSICAL DATA

1. **Appearance:** white powder
2. **Odor:** none
3. **Boiling Point:** 2450° C
4. **Evaporation Rate:** N/A
5. **Specific Gravity:** N/A
6. **pH:** N/A
7. **Osmolality:** N/A
8. **Water Solubility:** N/A

IV. FIRE & EXPLOSION INFORMATION

1. **Flash Point:** N/A – Product is not self-igniting
2. **Fire Extinguishing Media:** Special Mixture of Dry Chemicals.
3. **Fire Fighting Procedures:** Use dry chemical extinguisher.
4. **Explosion Hazards:** Moderate when exposed to heat or flame or on contact with powerful oxidizers.

V. HEALTH HAZARDS

1. **Threshold Limit Value:** Unknown
2. **Effects of Overexposure:**
 - a. Inhalation of fine powder has been reported as a cause of pulmonary fibrosis.
 - b. May be implicated in Alzheimer's disease.
3. **Routes of Exposure:**
 - a. Ingestion: Can cause mild irritation
 - b. Inhalation: Extended inhalation may cause pulmonary fibrosis.
 - c. Skin Contact: Can cause mild irritation

Effective Date: Jan., 1998

- d. Skin Absorption: N/A
- e. Eye Contact: Can cause mild irritation

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for preparations as issued in the latest version.

4. Emergency First Aid Procedures:

- a. Ingestion: contact a physician.
- b. Inhalation: Extended inhalation, contact physician.
- c. Skin Contact: If irritation, contact physician
- d. Eye Contact: If irritation contact physician

VI. REACTIVITY

- 1. **Stability:** Stable
- 2. **Incompatibilities:** Halocarbons, mercury, Cl₂, and I.
- 3. **Hazardous Decomposition:** N/A

VII. SPILL/LEAK AND DISPOSAL PROCEDURES

- 1. **Spills:** N/A
- 2. **Disposal:** Non-hazardous disposal procedures can be followed.

VIII. PROTECTIVE INFORMATION(OCCUPATIONAL CONTROL MEASURES)

- 1. **Do not ingest.**
- 2. **Do not inhale for extensive periods.**
- 3. **Handle in well ventilated area.**

IX. HANDLING AND STORAGE: SPECIAL PRECAUTIONS

Can be stored at room temperature.