

Revision:1.01
Date:09.06.2021

CERATIZIT India Pvt. Ltd.
Quality Assurance



MATERIAL SAFETY DATA SHEET – TC (WCCo-HARD METAL) PRODUCTS

1. Identification of substance/preparation and of the company/undertaking	*Substance name: WCCo-hard metal *Application: wear products and cutting tools *Company name: CERATIZIT India Pvt.Ltd, *Company address: 16J, Attibele Industrial Area, Anekal Taluk \ Bengaluru 562 107 \ India *Site Address 1: Plot no.56, Uluberia Industrial Growth centre / Birshibpur / Uluberia / Howrah 711316 • India, Tel.: +91 33 2621 0026 *Site Address 2: Plot 124-A, Bommasandra Industrial Area, Anekal Taluk \ Bengaluru 560 099 \ India \ Tel.: +918040431216, www.ceratizit.com
2. Hazards identification	*Classification: Co: Xn, R 42/43: Harmful, may cause sensitization by inhalation and skin contact *Prolonged exposure to WC by inhalation may cause pulmonary fibrosis
3. Composition / Information on ingredients	*Composition: 70 -80% tungsten (W), CAS-No: 7440-33-7 +20 – 30 % cobalt (Co), CAS-No : 7440-48-4 *Dangerous components: Co, CAS-No. 7440-48-4
4. First-aid measures	*Inhalation: Supply fresh air, consult doctor as a precaution *Skin contact: Remove dust by washing with water and soap
5. Fire-fighting measures	*Suitable extinguishing agents: Substance is not combustible, adapt extinguishing agent to materials stored in the immediate neighborhood *Special risk: Dust formation enhances the fire risk *Protective equipment: respiratory equipment in case of dust formation
6. Accidental release measures	*Person-related safety precautions: Avoid dust formation *Provide adequate ventilation *Avoid skin contact *Environmental protection measures: Avoid release to the environment
7. Handling and storage	*Handling: Prevent formation of dust *Install exhaustion with filter at workplaces with unavoidable dust *Storage: No special requirements
8. Exposure controls / personal protection	*Exposure limit values: Workplace: 5 mg W/m ³ , 0.5 mg Co/m ³ , inhalable fraction, daily average *Emission of suspended particles: 20 mg WC /m ³ , 0.05 mg Co /m ³ *Water emissions: 2 mg W/l, 0.5 mg Co /l *Exposure at workplace: Install exhaustion at dust building workplaces and use protective mask P3 *Use protective clothes and hand-guard cream *Environmental exposure: Install exhaustion with filter at workplaces with unavoidable dust *Do not empty into drains
9. Physical and chemical properties	*Ecotoxicity: No ecotoxic effects known *Mobility: on the basis of low solubility low mobility *Persistence and biodegradability: Stable inorganic material *Bio-accumulative potential: no data available
10. Stability and reactivity	*Conditions to be avoided: heating in air (oxidation) *Materials to be avoided: acids (formation of hydrogen)
11. Toxicological information	Inhalation: LC50 by inhalation, rat: < 0.24 – 0.92 mg/l/4h, prolonged exposure may cause pulmonary fibrosis (“hard metal disease”) *Skin contact: may cause sensitization of skin
12. Ecological information	*Appearance: Grey solid *Melting point: 1250 – 1300 °C *Density: 12.1 – 15.6 g/cm ³ at 20 °C *Solubility: insoluble in water, Co soluble in acids

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- 13. Disposal considerations** ***Recycling:** CERATIZIT recycles hard metal in all possible shapes, contact see under point 1 ***European waste catalogue:** 120104 non-ferrous metal dust and particles ***Notice** national and regional regulations
- 14. Transport information** No dangerous goods according to ADR, RID, IMDG, ICAO/IATA
- 15. Regulatory information** ***Labelling:** No labelling required for metals in compact shape ***Other regulations:** *The exposure limit values stated under point 8 are the lowest European limit values known to us ***Notice** national regulations
- 16. Other information** *The above-mentioned information is based on our present knowledge *The LC50-value stated under point 11 is based on an unconfirmed study of acute inhalation toxicity on rats (Huntingdon Life Science 1999) *Registration according to art. 6 Regulation (EC) no. 1907/2006 (REACH) is being prepared, new knowledge will immediately be incorporated