

| Berkenhoff GmbH -Quality Department- Page 1 of 3 | Information sheet (for articles) Date: 11.11.2014 Revision: 003 MSDS topas plus H, topas plus S_Rev.003.rtf |
|---|---|
| 1. Identification of the substance/mixt | ture and of the company/undertaking |
| Product: Wire product made of Trade name: topas [®] plus H, topas [®] Application: Semi-finished product | |
| Details of the supplier Berkenhoff GmbH Berkenhoffstrasse 14 D-35452 Heuchelheim Phone: + 49 (0)641 60 Fax: + 49 (0)641 60 Emergency phone + 49 (0)641 60 Emergency phone + 49 (0)641 60 | 01-222 01-0 |
| 2. Hazards identification | |
| Classification of the substance or mixture: Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Information concerning particular hazards for human and environment: | The substance is not classified according to the Globally Harmonized System (GHS). Not applicable Not applicable |
| Label elements Label elements acc. Regulation (EC) No 1272/2008: Hazard pictograms: Signal word: Hazard statements: Other hazards Result of PBT and vPvB assessme | Not applicable Not applicable Not applicable Not applicable ent |
| PBT: VPvB: | Not applicable Not applicable |
| 3. Composition / information on ingre Chemical characterization | edients Metal in compact form |
| Base Material: | Copper (CAS: 7440-50-8 / EINECS: 231-159-6) 64 % Zink (CAS: 7440-66-6 / EINECS: 231-175-3) 36 % |
| Coating : | Copper (CAS: 7440-50-8 / EINECS: 231-159-6) 65 % Zink (CAS: 7440-66-6 / EINECS: 231-175-3) 35 % |
| 4. First aid measures Description of first aid measures General information: After inhalation: After skin contact: After eye contact: After swallowing: | No special measures required Seek medical treatment in case of complaints The product does not irritate the skin Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Seek medical treatment. |
| 5. Fire fighting measures Extinguishing media Suitable extinguishing agents: Advice for firefighters Protective equipment: | Product is not flammable. Use fire fighting measures that suit the surrounding fire. No special measures required. |
| 6. Accidental release measures Person precautions, protective equipment and emergency procedures: Environmental precautions: | Not required. Do not allow material to be released to the environment without proper governmental permits. |
| Methods and material for containment and cleaning up: | Pick up mechanically. |
| Reference to other sections: | See section 7 for information on safe handling. See section 8 for information on personal protection equipment. See section 13 for information on disposal. |
| 7. Handling and storage | |
| Handling: Precautions for safe handling: | Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust. |
| Information about protection against explosionsand fires: | The product is not flammable. |
| Conditions for safe storage, including any incomp Requirements to be met by storerooms | - |
| and receptacles Information about storage | No special requirements. |
| in one common storage facility Further information about storage conditions: | Not required. None. |
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| 8. Exposure controls and personal | protection |
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| Additional information about design | |
| of technical systems: | No further data, see item 7. |
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| Control parameters | |
| Components with limit values that require mon | itoring at the workplace: |
| | General dust limit (A – alveolar fraction, E – respirable fraction) |
| | AGW (Germany) 1,25A, 10E [mg/m ³] |
| | |
| Additional information: | No data |
| Exposure controls | |
| Personal protective equipment | The second and an end of the base lines also and a based of the fallows of |
| General protective and hygienic measures: Breathing equipment: | The usual precautionary measures for handling chemicals should be followed. Not required. |
| Protections of hands: | Not required. |
| Eye protection: | Safety glasses. |
| Body protection: | Protective work clothing |
| | |
| When using the product for welding or solderin | g the appropriate health and safety regulations are observed. |
| 9. Physical and chemical properties | |
| Information on basic physical and chemical properties | |
| General Information: | |
| Appearance: | |
| Form: | Wire |
| Color: | grey-gold |
| Odor: Odour threshold: | Odorless Not determined |
| pH-value: | Not determined Not applicable |
| Change in condition | |
| Melting point / Melting range: | Not determined |
| Boiling point / Boiling range: | Not determined |
| Sublimation temperature / start: | Not determined |
| Flash point: | Not applicable Product is not flammable |
| Flammability (solid, gaseous) Ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Auto igniting: | Not determined |
| Danger of explosion: | Product does not present an explosion hazard. |
| Explosion limits: | |
| Lower: | Not determined |
| Upper: | Not determined |
| Vapor pressure: Density: | Not applicable 8,4 g/cm ³ |
| Relative density | Not determined |
| Vapor density | Not applicable |
| Evaporation | Not applicable |
| Solubility in / Miscibility with Water: | Insoluble |
| | |
| 10. Stability and reactivity | |
| Reactivity | |
| Chemical stability Thermal decomposition / | |
| Conditions to be avoided: | Decomposition will not occur if used and stored according to specifications. |
| Possibility of hazardous reactions: | No dangerous reactions known. |
| Incompatible materials: | Acids, Alkalis, Mercury, Ammonia, Chlorine gas |
| Hazardous decomposition products: | Metal oxide fume |
| 11 Toxicological information | |
| 11. Toxicological information Information on toxicological effects | |
| Acute toxicity: | |
| Primary irritant effect: | |
| On the skin: | Generally the product does not irritate the skin. |
| On the eye: | No irritant effect. |
| Sensitization: | No sensitizing effects known. |
| Additional toxicological information: | To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, |
| | OSHA or ACGIH. |
| | |
| 12. Ecological information | |
| Toxicity | No further relevant information quality |
| Acquatic toxicity: Persistence and degradability: | No further relevant information available. No further relevant information available. |
| Behaviour in environmental systems: | ויוט ועונווסו וכוכימוון ווווטווומנוטוו מימוומטול. |
| Bioaccumulative potential: | No further relevant information available. |
| Mobility in soil: | No further relevant information available. |
| Additional ecological information | |
| General notes: | Do not allow material to be released to the environment without proper governmental permits. |
| Results of PBT and vPvB assessment | Netenslieckle |
| PBT: vPvB: | Not applicable. Not applicable. |
| Other adverse effects: | Not applicable. No further relevant information available. |
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| Consult state, local or national regulations for proper disposal. Hand over to disposers of hazardous waste. Must be specially treated under to official regulations. |
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| Disposal must be made according to official regulations. |
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| |
| None |
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| None |
| No |
| |
| None |
| Not applicable |
| Not dangerous according to the above specifications. |
| |
| Not applicable |
| |
| islation specific for the substance or mixture Labelling |
| The product is classified according to EC legislation, but need not be marked (Metal in compact form) |
| Not applicable |
| Not applicable |
| Not applicable |
| |
| For use only by technically qualified individuals. |
| Generally not hazardous for water. |
| A Chemical Safety Assessment has not been carried out. |
| A chemical Salety Assessment has not been carried out. |
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| supplement to other information gathered by them and should make independent judgement of suitability of |
| the health and safety of employees. This information is furnished without warranty and any use of the product a Sheet or in combination with any other product or process is the responsibility of the user. |
| Quality and Environmental Department. |
| Dr. Knut Hawerkamp |
| Head of Quality Management |
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| handises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous |
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| port des merchandises dangereuses par chemin de fer (Regulations Concerning the International Transport |
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| is Goods. |
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| e "International Air Transport Association" (IATA). |
| |
| tional Civil Aviation Organization" (IACO). |
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