



Turn To The Industry Experts

Material Safety Data Sheet

(according to 1907/2006/EC, Article 31)
Revised on: 30/10/2017

PCS Company AT range of HEAT PIPES

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component	Material	EC No	CAS No
Tube	Copper	231-159-6	7440-50-8
Wick	Copper	231-159-6	7440-50-8
	Tin	231-141-8	7440-31-5
Phosphor Bronze	Phosphorus	231-768-7	7723-14-0
Working Fluid	Water	231-791-2	7732-18-5
Soft solder	Lead	231-100-4	7439-92-1
	Tin	231-141-8	7440-31-5
	Rosin	231-475-7	8050-09-7
	Sliver	231-131-3	7440-22-4

3. HAZARD IDENTIFICATION

Fire Risk: None known
Other Risks: Do not heat past 250 °C - danger of catastrophic failure. The Cool Pipe is a pressure vessel containing water and its saturated vapor. The internal pressure is therefore the saturated vapor pressure of water.

4. FIRST AID MEASURES

Eyes: May cause physical damage - seek medical advice.
Skin: Possibility of dermatitis reaction in susceptible individuals. Seek medical advice.
Ingestion: Seek immediate medical help.
Inhalation: No know hazard.

5. FIRE FIGHTING MEASURES

Flash Point: No known fire risk.
Extinguishing Media: Not applicable.
Fire Fighting Instructions: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Large Spills: Not applicable.

Small Spills: Not applicable.

7. HANDLING AND STORAGE

Overheating may cause the outer tube to rupture

Store in a cool dry place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure

Guidelines: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solubility in Water: Not applicable.

Odor: Not applicable.

pH: Not applicable.

Vapor Pressure: Not applicable.

(Air 1): Boiling Range: Not applicable.

Vapor Density: Not applicable. (Water =1) (Air = 1)

Percent Volatile: Not applicable.

10. STABILITY AND REACTIVITY

Stability: This product is stable.

Conditions

to Avoid: Excess heat

Incompatibility: Avoid strong oxidizing agents, strong acids and alkalis.

Products of

Decomposition: Not applicable.

Hazardous

Polymerization: May not occur.

Conditions

to Avoid: Not applicable.

11. TOXICOLOGICAL INFORMATION

Cancer

Information: Non-carcinogenic.

12. ECOLOGICAL INFORMATION

Environmental Impact Information:

No known environmental impact.

13. DISPOSAL

Disposal:

Dispose of in accordance with all federal, state and local regulations. .Breach tube before disposal.

14. TRANSPORT INFORMATION

Air and Ground Shipments:

Not Regulated

15. REGULATORY INFORMATION

This information should be included on all MSDSs copied and distributed for this material.

16. OTHER INFORMATION

Product Use: For industrial use only.

Do not incinerate containers.

Normal ventilation for standard manufacturing practices is adequate.

Status: Noncontrolled

To the best of our knowledge, the information contained herein is accurate. However, all materials may present unknown hazards and should be used with caution. In particular, improper use of our products and their inappropriate combination with other products and substances may produce harmful results which cannot be anticipated.

Final determination of the suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that may exist.