



A Milacron Company

Dear Customer:

Enclosed is the **REVISED** Material Safety Data Sheet for our product:

D-M-E HEAT PIPES

The products we distribute are not normally hazardous in their natural state. However, steel does contain elements deemed by OSHA to be hazardous when released by manufacturing, such as brazing, burning, grinding, sawing or welding, ect. Failure to control dust and fumes can result in chronic health problems.

We believe the information, supplied by the Manufacturer, on the enclosed MSDS to be accurate; however, D-M-E makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability for the information so presented.

Should you require additional information, please call or write the Manufacturer listed on the MSDS.

Sincerely yours,

D-M-E Company
Director of Operations
Ken Jasina

Revised: May 2005

D-M-E Company TPDC HEAT PIPES

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Cool Pipes
Supplier: Pipcar Ltd Limited
Address: Unit 4B Valley Industries, Hadlow Rd,
Tonbridge, Kent TN11 0AH. UK.

Phone Number: +44 (0)1732 851807

Fax Number: +44 (0)1732 850255

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Tube: Copper
Wick: Phosphor Bronze
Working Fluid: Water
Other: Brass, soft solder, silver solder and nickel (plate)

3. HAZARD IDENTIFICATION

Fire Risk: None known

Other Risks: Do allow the internal vapor temperature of the Cool Pipe to exceed 500 °F - danger of catastrophic failure - the Cool Pipe is a pressure vessel containing water and saturated vapor. The internal pressure is therefore the saturated vapor pressure of water. Ensure the end marked 'Cool This End' IS the cooled end and NOT subject to the higher temperature.

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 known hazard.

5. FIRE FIGHTING MEASURES

Flash Point: No known fire risk.

Extinguishing Not applicable.

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.

D-M-E Company TPH HEAT PIPES

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Cool Pipes
Supplier: Pipcar Ltd Limited
Address: Unit 4B Valley Industries, Hadlow Rd,
Tonbridge, Kent TN11 0AH. UK.

Phone Number: +44 (0)1732 851807

Fax Number: +44 (0)1732 850255

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Tube: Copper
Wick: Phosphor Bronze
Working Fluid: Water
Other: Brass, soft solder, nickel (plate)

3. HAZARD IDENTIFICATION

Fire Risk: None known

Other Risks: Do not heat past 500 °F - 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 known hazard.

5. FIRE FIGHTING MEASURES

Flash Point: No known fire risk.

Extinguishing Not applicable.

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.

D-M-E Company TPL HEAT PIPES

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Cool Pipes
Supplier: Pipcar Ltd Limited
Address: Unit 4B Valley Industries, Hadlow Rd,
Tonbridge, Kent TN11 0AH. UK.

Phone Number: +44 (0)1732 851807
Fax Number: +44 (0)1732 850255

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Tube: Copper
Wick: Phosphor Bronze
Working Fluid: Water
Other: Brass, soft solder, nickel (plate)

3. HAZARD IDENTIFICATION

Fire Risk: None known
Other Risks: Do not heat past 500 °F - 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.