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HEALTH & SAFETY DATA SHEET
®
THERMACELL GAS CARTRIDGES

1. IDENTIFICATION

Gas Cartridges (Disposable).

2. COMPOSITION

A mixture of Isobutane, Normal Butane, Propane, Pentane, and traces of Hexane and Heptane.

3. HAZARDS IDENTIFICATION

The cartridges contain flammable gas under pressure. The TLV (threshold limit value) for the mixture is 800 ppm.

4. FIRST AID MEASURES

The cartridges are not a health hazard as they each contain a limited amount of gas and have a built-in flow limiter.

The recommended First Aid treatments for exposure the gas mixture in large quantities are:

A. Inhalation: Conscious persons should be assisted to an uncontaminated area and inhale fresh air. Quick removal from the contaminated area is most important. Unconscious persons should be moved to an uncontaminated area, given mouth-to-mouth resuscitation and supplemental oxygen. Further treatment should be symptomatic and supportive.

B. Frostbite: Remove contaminated clothing and flush affected area with lukewarm water. Do not use hot water. A physician should see the patient promptly if the cryogenic "burn" has resulted in blistering of the dermal surface or deep tissue freezing.

5. FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide, dry chemical, or water spray. Flash point N/A for gas mixture. Flammable limits (in air): LEL 1.8% UEL 8.8%

Special Fire fighting procedures: Protection from bursting cartridges is required if cartridges are subjected to high temperatures or open flames.

Unusual fire and explosion hazards: The cartridges may burst individually when exposed to high temperatures such as open flames.

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HEALTH & SAFETY DATA SHEET**THERMACELL[®] GAS CARTRIDGES****6. ACCIDENTAL RELEASE MEASURES**

Repack cartridges.

7. HANDLING AND STORAGE

Do not puncture cartridges, and avoid heat above 120 degrees F.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

None required.

9. PHYSICAL AND CHEMICAL PROPERTIES (AT 1 ATMOSPHERE AND 70 DEG. F)

Colorless gas with faint disagreeable odor. Boiling point 70 deg.F. Vapor pressure 45 PSIA. Vapor density (air = 1) 2.06. Specific gravity of the liquid (water = 1) 0.55. 100% volatile by volume. Evaporation rate depends on surface exchange area.

10. STABILITY AND REACTIVITY

The gas mixture is stable. Avoid high temperature or open flame. Decomposition products are carbon dioxide and water. Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Breathing high concentrations of the gas mixture causes a narcotic effect; however, the major property is the exclusion of an adequate supply of oxygen to the lungs.

12. ECOLOGICAL INFORMATION

Cartridges are not hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

Damaged cartridges are to be returned to the distributor or manufacturer. Do not puncture or incinerate. Empty cartridges may be disposed of at suitable landfills.

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14. TRANSPORT INFORMATION

Do not puncture cartridges, and avoid excessive heat (over 120 degrees F).
DOT Shipping Label: ORM-D

15. REGULATORY INFORMATION

None.

16. OTHER INFORMATION

None.