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SECTION V - REACTIVITY DATA

Unstable Conditions to Avoid: Avoid exposure to air, light or
Stable radical sources

Incompatibility (Materials to Avoid): Oxygen, peroxides

Hazardous Combustion or Decomposition Products: Toxic fumes of carbon dioxide, carbon monoxide, hydrogen chloride, carbonyl fluoride, carbonyl bromofluoride and hydrogen fluoride.

Hazardous Polymerization May Occur Will Not Occur
Conditions To Avoid: Excess heat and oxidizing conditions

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SECTION VI - HEALTH HAZARD DATA

Rats exposed to 500ppm for 4 hours died. This was the initial concentration tested but, due to decomposition to carbonyl bromofluoride and carbonyl fluoride, the level of bromofluoroethylene actually decreased to 5 to 10ppm after 90 minutes of exposure. At that time the rats were having occasional tremors with all deaths occurring within 3 hours. Pathologic examination showed the lungs to be enlarged, fluid-filled and containing fresh blood. One of few exposed rats died following exposure to an initial concentration of 279ppm.

The effects of repeated inhalation were studied by exposing rats to either 0, 10, or 50 ppm, 6 hours/day, 5 days/week for 2 weeks. No unusual in vivo signs of response were noted, although rats exposed to 50 ppm lost weight for the first 5 days and showed a reduced rate of weight gain thereafter. Renal damage was seen in rats exposed to 50ppm and sacrificed immediately after the tenth exposure. This change was reversible, and was not produced at 10ppm. Very mild testicular damage was also seen at 50 but not at 10ppm. The amount of urinary fluoride excreted by these rats (both exposure concentrations) suggested that metabolism of bromotrifluoroethylene was occurring.

Primary routes of entry: (x) Inhalation () Skin () Eyes () Oral
Acute Effects of Overexposure: Unknown. Frostbite may occur if spilled on skin.

Chronic Effects of overexposure: Unknown

Carcinogenicity listing: [No] NTP [No] IARC [No] OSHA
[No] Other:

First Aid

- Inhalation: Remove to fresh air and apply artificial respiration if needed.
- Skin: Wash with soap and water. Treat for frostbite if necessary.
- Eye: Wash with copious amounts of water for at least 15 minutes. Seek medical help.
- Oral: N/A

Medical Conditions Generally Aggravated by Exposure: None known

Other Health Hazards: None known

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SECTION VII - PROTECTION INFORMATION

Respiratory: Self-contained breathing apparatus for emergency use.

Ventilation: Adequate general and local ventilation.

Eye and Face: Safety glasses, goggles or face shield.

Gloves: Impervious gloves.

Other equipment: Safety shoes should be worn when handling large cylinders

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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Evacuate area and start ventilation. Using self-contained breathing apparatus close valve and allow spill to disipate.

Waste Disposal: Disposal may be subject to federal, state or local laws.

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SECTION IX - OTHER INFORMATION

1. Hazardous Materials/Dangerous Goods Shipping Regulations

U.S. (49 CFR): Proper Shipping Name: Bromotrifluoroethylene
Hazard Class: 2.1; ID No.: UN 2419; Packaging Group: N/A

IATA: Proper Shipping Name: Bromotrifluoroethylene
Hazard Class: 2.1; ID No.: UN 2419; Packaging Group: N/A

IMDG: Proper Shipping Name: Bromotrifluoroethylene
Hazard Class: 2.1; ID No.: UN 2419; Packaging Group: N/A

2. Other Information: HMIS Labeling: H 3; F 4; R 3; P H

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REVISED: SEPTEMBER 23, 2005