



MATERIAL SAFETY DATA SHEET

IDENTITY: 1,2,3-TRICHLOROPENTAFLUOROPROPANE (R-215ba)

SECTION I: MANUFACTURER

HALOCARBON PRODUCTS CORPORATION      Emergency Number:                    (803) 278 3504  
P.O. Box 661                                    Customer Service & Sales:    (201) 262 8899  
River Edge, NJ 07661  
  
Prepared by: MSDS Coordinator

SECTION II: CHEMICAL IDENTITY

Components	CAS No.	OSHA PEL	ACGIH TLV	Other Limits
1,2,3-Trichloropentafluoropropane	76-17-5	None	None	None

OSHA HAZARD RATING:

This product contains the following toxic chemical(s) subject to Section 313 Title III reporting requirements (40 CFR Part 372).

None

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point : 72 C                                    Vapor Pressure: 80 mm Hg (25C)  
Melting Point : Not determined                    Vapor Density(Air=1): Not determined  
Specific Gravity(H2O=1): 1.66                      Solubility in Water : Negligible

Appearance and Odor: Colorless liquid with faint odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: None                                    Autoignition Temp: Not determined  
Flammability Limits in Air - LEL: N/A                    UEL: N/A

Extinguishing Media: Non-flammable. Use method appropriate for surroundings.

Special Fire Fighting Procedures: Firefighters should wear self contained breathing apparatus and protective clothing to avoid contact with skin and eyes.

Unusual Fire and Explosion Hazards: Thermal decomposition products are toxic and corrosive.

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SECTION V - REACTIVITY DATA

Unstable  Conditions to Avoid: N/A  
Stable

Incompatibility (Materials to Avoid): Active metals like sodium and potassium. Avoid contact with aluminum threaded connections where galling and seizure may initiate reaction. Reacts with amines, liquid fluorine and liquid chlorine trifluoride.

Hazardous Combustion or Decomposition Products: The compound is dechlorinated by active metals, especially zinc, to form highly toxic 3-chloropentafluoropropene, bp 6C. Toxic fumes include carbon dioxide, carbon monoxide, hydrogen fluoride and hydrogen chloride.

Hazardous Polymerization  May Occur  Will Not Occur  
Conditions To Avoid: N/A

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SECTION VI - HEALTH HAZARD DATA

Toxicity and health hazards of 1,2,3-trichloropentafluoropropene are unknown, however, it is an anesthetic and can cause asphyxiation by displacement of air. The toxicity is expected to be similar to R-113 and Halocarbon 0.8 oil, which have a low order of acute toxicity.

While this compound has a low order of acute toxicity, the 3-chloropentafluoropropene product that results from the dechlorination reaction (with zinc, for example) of this compound is highly toxic (Rat 4 hr. LD50 25ppm) and has poor warning properties. Only persons of appropriate skill and training should attempt this reaction.

Primary routes of entry:  Inhalation  Skin  Eyes  Oral

Acute Effects of Overexposure: Unknown.

Chronic Effects of overexposure: Unknown

Carcinogenicity listing:  NTP  IARC  OSHA  
 Other:

## First Aid

Inhalation: Remove to fresh air. Give artificial respiration if necessary.

Skin: Wash with soap and water.

Eye: Flush eyes for at least 15 minutes with copious quantities of water. Seek medical help.

Oral: Try to induce vomiting. Seek medical help.

Medical Conditions Generally Aggravated by Exposure: None known.

Other Health Hazards: None known.

