



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.



Continued

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SECTION VII - PROTECTION INFORMATION

Respiratory: None normally required. For large spills wear self-contained breathing apparatus.

Ventilation: Adequate general ventilization plus local exhaust at points of emission.

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

Gloves: Impervious gloves.

Other equipment: None normally required.

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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak, or Release: Spills may be picked up with absorbent such as vermiculite and held in covered container for disposal.

Waste Disposal: May be incinerated. Observe all Federal, State and Local regulations.

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SECTION IX - OTHER INFORMATION

DOT Information - Proper Shipping Name: Not Regulated Non-Hazardous
(Domestic Only) Hazard Class: UN/NA Number:

Other Information: HMIS Labeling Information: H 1; F 0; R 1; P B
Listed as Class 1, Group III Controlled Substance

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REVISED: SEPTEMBER 12, 2005