



Factor II, Incorporated

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MATERIAL SAFETY DATA SHEET A-328

Pentafluoropropane

In Case of Emergency contact FactorII, Inc. 928-537-8387

Factor II Technology urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling each customer or recipient should: (1) notify and furnish its employees, agents, contractors, customers, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT

PRODUCT NAME: A-328 Pentafluoropropane
CHEMICAL NAME: Feon Solvent
CHEMICAL FAMILY: Fluorocarbon Liquid

2. PRODUCT COMPOSITION

MATERIAL	CAS#	
DICHLORO PENTAFLUOROPROPANE	127564-92-5	100% by weight

3. HAZARDS and PROTECTION IDENTIFICATION

Personal Protection Recommended: Use local exhaust. Ventilation is required. Use a NIOSH approved respirator to prevent overexposure. Reference 29CFR 1910.134 for Federal standards concerning respiratory protection. Wear impervious gloves and protective clothing as required to prevent skin contact. Wear protective goggles to prevent eye contact. An eyewash and safety shower should be nearby and ready for use.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING:

Caution if victim vomits. Risk of aspiration. Keep airways free. Seek medical attention.

SKIN:

Wash with soap and water. Remove contaminated clothing.

INHALATION:

Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

EYES:

Immediately flush eyes with water and continue washing for at least 15 minutes. If irritation persists seek medical



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attention.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLASH POINT: (TCC) N/A

FLAMMABLE LIMITS IN AIR (by volume): Not Applicable N/A

EXTINGUISHING MEDIA: Dry Chemical or Foam

SPECIAL FIREFIGHTING PROCEDURES: Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Use water spray to cool nearby containers.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Dike spills using absorbent such as sand or kitty litter.

Clean Up: Wipe up with absorbent material and place in closed container.

Use personal protection to prevent personal exposure.

Provide adequate ventilation.

Do not flush down drain.

WASTE DISPOSAL METHOD: Dispose of in accordance with all Federal, State, and local regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling.

Do not cut, grind, weld, or drill on or near this container.

Store in cool dry and well ventilated area.

To relieve container pressure, vent frequently, particularly in warm weather.

Keep away from food stuffs.

Empty containers can contain product residue. All hazard warnings apply to empty containers.

8. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

APPEARANCE & ODOR: Clear colorless liquid, no odor

BOILING POINT: 35°F to 129°F

VAPOR PRESSURE at 30°C: 290mm Hg

VAPOR DENSITY (air=1) N/A

SOLUBILITY IN WATER (By wt): Insoluble

SPECIFIC GRAVITY (water=1) 1.55



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Note: The above information is not intended for use in preparing product specifications.

9. STABILITY AND REACTIVITY DATA

STABILITY: Stable. Hazardous polymerization will not occur.

INCOMPATIBILITY: Avoid contact with oxidation agents (e.g. Cr(VI) compounds, H₂O₂ etc.) Avoid contact with alkali metals

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: Formaldehyde.

10. TOXICOLOGICAL INFORMATION

Small effects of toxicity. LD50: Lethal dose 50%. Of test species, 25000mg/kg, rat.

Carcinogenicity: This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or the Federal Occupational Safety and Health Administration.

11. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Keep out of sewage system.

12. DISPOSAL CONSIDERATIONS

Use proper landfill disposal or incineration.

Dispose of in accordance with all Federal, State, and local regulations.

13. TRANSPORT INFORMATION

DOT (CFR 49) Hazard Classification and Proper Shipping Name: Nonflammable Liquid, n.o.s.

SARA 313 Dichloropentafluoropropane listed

California prop 65: Not listed

14. REGULATORY INFORMATION

CLASSIFICATION ACCORDING TO EEC-GUIDELINES:

Not Regulated.

15. OTHER INFORMATION

HMIS FORMAT:

Health: 0

Flammability: 1

Reactivity: 0

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of Factor II Technology, it is the user's obligation to determine the conditions of safe use of the product.
Factor II Technology Regulatory Compliance Department