

MATERIAL SAFETY DATA SHEET

1H,1H,2H,2H-PERFLUORODECYLTRICHLOROSILANE
PCR INC.

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Revised 6/17/94
Replaces (None)
Printed 5/03/96

Section I - General Information

PCR Inc.
PO BOX 1466
Gainesville, Florida 32602
(904) 376-8246 TWX: (810) 825 6342

CHEMICAL NAME: 1H,1H,2H,2H-Perfluorodecyltrichlorosilane

Trade Name: N/A

CAS # : 78560-44-8

Chemical Family: Chlorosilane

Formula: $F(CF_2)_8CH_2CH_2SiCl_3$

Molecular Weight: 581.5

PCR Product Number: 12391-9

Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS (Specific Chemical ID)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
1H,1H,2H,2H-perfluorodecyl- trichlorosilane	None	None	None	100

Section III - Physical/Chemical Characteristics

BOILING POINT: 120 @ 20mm Evaporation Rate(=1) : NA
VAPOR PRESSURE(mm Hg): NA Melting Point: NA
VAPOR DENSITY (AIR = 1): > 1
SPECIFIC GRAVITY (H2O=1): 1.54
SOLUBILITY IN WATER: Reacts
APPEARANCE AND ODOR: Clear liquid

Section IV - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): > 212 F

FLAMMABLE LIMITS: Not determined

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Section IV - Fire and Explosion Hazard Data (Cont.)

EXTINGUISHING MEDIA: CO2, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES: A self-contained breathing apparatus and full protective clothing should be worn when fighting fires

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact with water will produce Hydrochloric acid fumes.

Section V - Reactivity Data

STABILITY (CHOOSE ONE): ☐ UNSTABLE
☒ STABLE

CONDITIONS TO AVOID: NA

COMPATIBILITY (MATERIALS TO AVOID): Bases, water, alcohols

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: HCl, HF, CO, CO2

HAZARDOUS (CHOOSE ONE): ☐ MAY OCCUR
POLYMERIZATION ☒ WILL NOT OCCUR

CONDITIONS TO AVOID: NA

Section VI - Health Hazard Data

ROUTE(S) OF ENTRY: INHALATION? yes SKIN? yes INGESTION? yes

HEALTH HAZARDS (ACUTE AND CHRONIC): To the best of our knowledge the toxicity of this product has not been investigated.

CORROSIVE ! Contact may cause severe burns to skin and eyes. This product is irritating to mucous membranes of upper respiratory system.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SIGNS AND SYMPTOMS OF EXPOSURE: Signs of exposure may include: difficulty breathing, coughing, headache, nausea and vomiting.

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Section VI - Health Hazard Data (Cont.)

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove victim to fresh air. If not breathing administer CPR.
Get medical attention.

Ingestion: Do not induce vomiting. Get immediate medical attention

Eye Contact: Flush with water for at least 15 minutes. Get medical attention.

Skin Contact: Flush with water for at least 15 minutes

Section VII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate area.
Wear protective equipment. Cover spill with lime. Sweep up and place in container for disposal. Ventilate area.

WASTE DISPOSAL METHOD: Incinerate in accordance with all regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool dry area.
Avoid skin contact, Avoid breathing vapors.

OTHER PRECAUTIONS: NA

Section VIII - Control Measures

RESPIRATORY PROTECTION (SPECIFY TYPE): OSHA approved combination organic vapor/acid gas cannister respirator.

VENTILATION:

LOCAL EXHAUST: Required
MECHANICAL (GENERAL): Suggested
SPECIAL:
OTHER:

PROTECTIVE GLOVES: Rubber or neoprene

EYE PROTECTION: Chemical splash goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Rubber apron, Safety showers, eye wash station.

WORK/HYGIENIC PRACTICES: Wash after handling.