

**FOMBLIN®****PERFLUOROSOLV™ PFS-1****IDENTITY**

COMMON NAME: FOMBLIN® Perfluorosolv™

PRODUCT GRADES: **PFS-1**

CHEMICAL FAMILY: Fluorocarbons

CHEMICAL NAME: Perfluorinated polyethers

FORMULA:  $\text{CF}_3\text{--}[(\text{O--CF--CF}_2)_n\text{--}(\text{O--CF}_2)_m]\text{--O--CF}_3$

|  
CF<sub>3</sub>

CAS NAME: Propene 1,1,2,3,3, hexafluoro, oxidized, polymerized

CAS REGISTRY #: 69991-67-9

TSCA STATUS: In compliance

EMERGENCY #: (800) 424-9300 (CHEMTREC - 24 hours)

**PHYSICAL & CHEMICAL CHARACTERISTICS**

BOILING POINT: 90°C

PERCENT VOLATILE BY VOLUME: N.E.

SPECIFIC GRAVITY: 1.69

VAPOR PRESSURE: 100 mm Hg @ 25°C

EVAPORATION RATE: N.E.

SOLUBILITY IN WATER: 14 ppm

REACTIVITY IN WATER: None

COLOR: None

APPEARANCE: Clear liquid

ODOR: None

**FIRE AND EXPLOSION DATA**

FLASH POINT: Non flammable

FLAMMABLE LIMITS - LEL: N.A.

FLAMMABLE LIMITS - UEL: N.A.

EXTINGUISHER MEDIA: Foam, CO<sub>2</sub>, dry, water

SPECIAL FIRE FIGHTING PROCEDURES: Keep containers cool by spraying with water when exposed to fire; if flames have reached product causing a possible decomposition yielding toxic compounds, use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Thermal decomposition (which may occur above 290°C) can result in generation of toxic fumes.

N.A. = Not available

N.E. = Not established

## **PHYSICAL HAZARDS**

STABILITY: Stable

CONDITIONS TO AVOID: Avoid heating above 290°C

MATERIAL TO AVOID: Strong or non-aqueous alkali and Lewis acids above 100°C

HAZARDOUS DECOMPOSITION PRODUCTS: HF and COF<sub>2</sub> (both toxic\*) from thermal decomposition in air (at temperatures greater than 290°C)

HAZARDOUS POLYMERIZATION: Will not occur

\* HF - Hydrogen fluoride has TLV/TWA = 2.5 mg/m<sup>3</sup>;  
COF<sub>2</sub>- Carbonyl fluoride has TLV/TWA = 5 mg/m<sup>3</sup>

## **HEALTH HAZARDS**

THRESHOLD LIMIT VALUE: N.E.

SIGNS AND SYMPTOMS OF EXPOSURE

Acute overexposure: None known

Chronic overexposure: None known

Medical conditions aggravated by exposure: None known

CARCINOGENICITY: Not listed as a carcinogen by IARC, NTP, OSHA, ACGIH

EMERGENCY FIRST AID PROCEDURE

Inhalation: N.A.

Eyes: Clean and wash with water

Skin: Clean and wash with water and soap

Ingestion: Get medical help

## **SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: Not normally required

PROTECTIVE GLOVES: Suggested, not required

EYE PROTECTION: Use safety goggles if required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required, follow internal area requirements

## **SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

HANDLING/STORAGE: For packaging and transport, use either bottles or drums of glass or polyethylene; do not store near flammable or explosive materials.

OTHER PRECAUTIONS: Keep away from fire, heat sources or hot surfaces; do not smoke in working areas. Avoid contamination of smoking products.

RELEASE/SPILL: Eliminate free flames from the area; stop leak and absorb the liquid with sand and dispose of properly.

WASTE DISPOSAL: Use high temperature incineration in special equipment in accordance with local, state, or federal laws and regulations.

Revised: 01/94  
Supersedes: New Product

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