

MATERIAL SAFETY DATA SHEET

Fluorosolve®

SECTION 1: Product Identification

Product name: Fluorosolve
Chemical family: fluorocarbon/synthetic aliphatic hydrocarbon
Common or trade name: dry cleaning solvent
Formula: proprietary mixture
Description: colorless liquid, faint ether odor

SECTION 2: Hazardous Rating (NFPA 704 criteria)

		Hazard Rating Scale
		4=Severe
Health:	1	3=Serious
Fire:	2	2=Moderate
Reactivity:	0	1=Slight
Special:	0	0=Minimal

SECTION 3: Hazardous Ingredients

		TLV(TWA)	TLV(STEL)	BASIS
Synthetic aliphatic hydrocarbon	CAS 64742-48-9	175 PPM	N/A	Exxon Mobil

SECTION 4: Fire and Explosion Data

Flash point: 130°F
Flammable limits: 1% to 6%
Autoignition temperature: 650°F (NOTE: Approximate)
Extinguishing media: dry chemical, foam, carbon dioxide (CO₂)
Special fire fighting procedures: wear self-contained breathing apparatus with a full face piece.
Containers exposed to intense heat should be cooled with water to prevent vapor pressure build up which could result in container rupture.

SECTION 5: Health Hazard Data

Effects of overexposure:

- A. Eye contact: contact may cause mild eye irritation including stinging, watering and redness
- B. Skin contact: may cause mild skin irritation including redness, burning, and drying and cracking of the skin. Care must be taken to ensure that carpets and fabrics cleaned or treated are completely dry before bare skin exposure. No harmful effects from skin absorption have been reported.
- C. Inhalation (breathing): expected to have a low degree of toxicity by inhalation.
- D. Ingestion (swallowing): low degree of toxicity by ingestion. Aspiration Hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
- E. Signs and Symptoms: effects of over exposure may include irritation of the nose and throat, irritation of the digestive tract and signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination and fatigue).

Carcinogenicity: No ingredients listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

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SECTION 6: Emergency First Aid Procedures

- A. Eye contact: flush with water for 15 minutes, if irritation persists, seek medical care
- B. Ingestion: do not induce vomiting or give anything by mouth, contains petroleum hydrocarbons, get medical attention immediately
- C. Inhalation: remove to fresh air, if problem continues seek medical care
- D. Skin contact: flush with warm water

SECTION 7: Handling Procedures

- A. Protective equipment:
 - Eyes: do not spray in eyes, goggles may be used
 - Skin: chemical resistant gloves may be used if hypersensitive to product. Avoid prolonged contact with skin. Remove and wash soaked clothing or shoes.
 - Inhalation: use in well ventilated areas only, if ventilation is poor or if hypersensitive to product, use chemical (carbon) respirator
- B. Storage: keep containers from freezing, store away from oxidizing materials, keep tightly sealed.
- C. Ventilation requirements: Provide for ventilation (HVAC system, cross breeze, fans, etc.) during application and thereafter until areas are completely dry.

SECTION 8: Spill or Leakage Control Procedures

Absorb liquid with a noncombustible absorbent such as clay or vermiculite. Place in drums for proper disposal. Dispose of in a facility approved under EPA regulations. Keep this, and all other chemicals, out of surface waters, storm sewers, and other waterways entering or leading to ground and surface waters.

SECTION 9: Physical Data

The following data is approximate or typical values and should not be used for precise purposes or product specification.

Vapor pressure:	0.7mmHg @ 68°F, approximate
Volatiles:	greater than 90%
Boiling range:	350°F to 390°F
Solubility in water:	none
pH:	not applicable

SECTION 10: Reactivity Data

Stability:	stable
Hazardous polymerization:	will not occur
Conditions to avoid:	contamination with water - avoid open flames, sparks, etc.
Incompatibility:	strong oxidizing agent
Hazardous decomposition products:	carbon oxides, possible hydrogen fluoride and carbonyl fluoride

The information in this Material Safety Data Sheet is drawn from recognized sources believed to be reliable but is provided without warranty.

The user must determine safe conditions and assume liability for and loss, injury, damage, or expense resulting from use of this product.

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