

SAFETY DATA SHEET (GHS)

TFA (Trifluoroacetic Acid) HPLC Grade | CAS 76-05-1

Section 1: Identification

Product Name	TFA (Trifluoroacetic Acid) HPLC Grade
CAS Number	76-05-1
Recommended Use	HPLC ion-pairing reagent, Peptide and protein HPLC, Reversed-phase HPLC
Supplier	ChemicalPro — Green Vision Technical Services, Plot No. 6, Survey No. 599/2, Airport Road, Janori, Tal: Dindori, Dist: Nashik 42206, Maharashtra, India
Emergency Contact	+91 75070 06931 (Mon–Sat 9:00–18:00 IST)

Section 2: Hazard Identification

GHS Classification	Corrosive
Signal Word	Danger
Precautionary Overview	Handle in accordance with good industrial hygiene and safety practice. See Sections 7 and 8.

Section 3: Composition / Information on Ingredients

Substance	TFA (Trifluoroacetic Acid) HPLC Grade
CAS	76-05-1
Formula	<chem>CC(F)(F)F(=O)O</chem>
Concentration / Grade	HPLC Grade/LC-MS Grade

Section 4: First-Aid Measures

Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention.
Skin Contact	Wash with plenty of soap and water. Remove contaminated clothing. If irritation occurs, get medical advice.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, get medical attention.
Ingestion	Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Get medical attention if you feel unwell.

Section 5: Fire-Fighting Measures

Use extinguishing media appropriate to surrounding fire conditions. Firefighters should wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Evacuate unnecessary personnel. Wear recommended PPE. Contain spillage, absorb with inert material and collect in suitable closed containers for disposal. Prevent entry to drains and watercourses.

Section 7: Handling and Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container tightly closed.

Section 8: Exposure Controls / Personal Protection

Safety goggles, chemical-resistant gloves and protective clothing. Use adequate ventilation; use respiratory protection if exposure limits may be exceeded.

Section 9: Physical and Chemical Properties

Molecular Formula	<chem>CC(F)(F)F(=O)O</chem>
-------------------	-----------------------------

Molecular Weight	114.02
Appearance	Refer to TDS
Density	1480 kg/m ³
Boiling Point	72.4°C
Melting Point	-15.4°C
Flash Point	None
Solubility	Miscible

Section 10: Stability and Reactivity

Stable under recommended storage conditions. Avoid heat and incompatible materials.

Section 11: Toxicological Information

No data available for this grade. Handle as per Sections 7 and 8.

Section 12: Ecological Information

No data available. Prevent release to the environment.

Section 13: Disposal Considerations

Dispose of contents and container in accordance with local, state and national regulations through an authorised waste disposal contractor.

Section 14: Transport Information

UN Number	Not regulated / not assigned
Transport Hazard Class	Not regulated based on available data

Section 15: Regulatory Information

HSN Code (India): 2915.90. Comply with all applicable national and local regulations.

Section 16: Other Information

Issued by Green Vision Technical Services (ChemicalPro, www.chemicalpro.in). Revision date: 2026-07-25. The information herein is based on data available to us and applies to the product as supplied. It is provided in good faith without warranty; the user is responsible for verifying suitability for their use.