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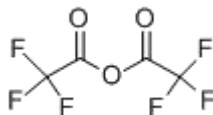
Site: www.tnjchem.com

## Technical Data Sheet

# Trifluoroacetic Anhydride

### Product Information

Product Name	Trifluoroacetic Anhydride
Synonyms	TFAA; 2,2,2-Trifluoroacetic anhydride; Hexafluoroacetic anhydride;
CAS No.	407-25-0
EINECS No.	206-982-9
Molecular formula	C <sub>4</sub> F <sub>6</sub> O <sub>3</sub>
Molecular weight	210.03
Chemical structure	



### Physical Properties

Colorless transparent liquid, soluble in water, irritating, easily volatile. Also soluble in ether and acetic acid.

Density	1.511g/mL at 20°C
Melting Point	-63.5°C
Boiling Point	39.5-40°C at 20 mm Hg
Flashing Point	-26°C
Refractive Index	1.3
Vapor pressure	439mmHg at 25°C
Water solubility	Hydrolysis

### Specification

<u>Items</u>	<u>Specification</u>
Appearance	Colorless transparent liquid
Assay	≥99.00%

Chloride	≤0.005%
Sulphate	≤0.05%
Fluoride	≤0.01%

## Safety

Trifluoroacetic Anhydride is hazard class 8 dangerous material, it's belong to corrosive material.  
Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- 1) Trifluoroacetic Anhydride used as a pesticide intermediates, such as Chlorfenapyr.
- 2) Trifluoroacetic Anhydride used in esterification reaction in organic synthesis.
- 3) Trifluoroacetic Anhydride used as a protective agent for analysis reagents, solvents, catalysts, dehydration condensing agents, carboxyl and amino trifluoroacetylation.
- 4) Trifluoroacetic Anhydride also preparation of organic fluorine fine chemicals, medicine and pesticide raw materials

## Packaging

50kg, 150kg or 250kg per plastic drum, inner steel drum;  
20MT per 20'ft container with or without pallets.

## Storage & Handling

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.  
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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