


# TRIFLUOROACETIC ACID

## PRODUCT IDENTIFICATION

|            |   |   |
|------------|---|---|
| CAS NO.    | 76-05-1   |  |
| EINECS NO. | 200-929-3   |   |
| FORMULA    | CF <sub>3</sub> COOH  |   |
| MOL WT.    | 114.02  |   |
| H.S. CODE  | 2915.90   |   |
| TOXICITY   | Oral rat LD50: 200 mg/kg  |   |
| SYNONYMS   | Perfluoroacetic acid; Trifluoroacetic acid;<br>Kyselina trifluoroctova (CZECH); Trifluoroacetic acid; Trifluoroethanoic acid; Trifluoressigsäure; |   |

## DERIVATION

## CLASSIFICATION

## PHYSICAL AND CHEMICAL PROPERTIES

|                     |  |
|---------------------|--|
| PHYSICAL STATE      | Clear, colorless liquid with a sharp vinegar like odor |
| MELTING POINT       | -15.5 C  |
| BOILING POINT       | 72 C   |
| SPECIFIC GRAVITY    | 1.48   |
| SOLUBILITY IN WATER | Miscible   |
| pH                  | Strong acid  |
| VAPOR DENSITY       | 3.9  |
| AUTOIGNITION        |  |
| NFPA RARING         | Health: 3 Flammability: 1 Reactivity: 0                |
| REFRACTIVE INDEX    |  |
| FLASH POINT         |  |
| STABILITY           | Stable under ordinary conditions                       |

## APPLICATIONS

Trifluoroacetic acid is used as a building block for manufacturing pharmaceutical, agricultural chemicals other specialty applications. It is also used as a solvent and catalyst for polymerisation and condensation reactions.

## SALES SPECIFICATION

|            |              |
|------------|--------------|
| APPEARANCE | clear liquid |
| PURITY     | 99.9% min    |
| WATER      | 0.05% max    |
| CHLORIDE   | 0.001% max   |
| FLUORIDE   | 0.005% max   |
| SULPHATE   | 0.001% max   |

## TRANSPORTATION

|              |                      |
|--------------|----------------------|
| PACKING      | 295kgs in drum       |
| HAZARD CLASS | 8 (Packing group: I) |
| UN NO.       | 2699                 |

## REMARKS