



Technical Data Sheet

3'-(Trifluoromethyl) acetophenone

1- Introduction

3'-(Trifluoromethyl) acetophenone is a colourless to orange red coloured, clear liquid. It is insoluble in water. It is stable under recommended storage conditions. Stable at room temperature in closed containers. Avoid contact with skin and eyes.

Product Name: - 3'-(Trifluoromethyl) acetophenone

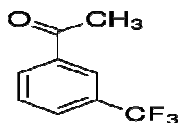
Synonyms: - 3-Acetylbenzofluoride; 3-Trifluoroacetophenone; 3-Acetylbenzotrifluoride;
3-Trifluoromethylhypnone; 3-Trifludromethylacetophen;
m-Trifluoromethylacetophenone; 3-Trifludromethylacetophenone;
3'-(Trifluormethyl) Acetophenon; 3-(Trifluoromethyl) Acetophenone;
3'-(Trifluoromethyl) Acetophenone

CAS No. 349-76-8

EINECS# 206-490-4

Mol. Formula: - C₉H₇F₃O

Mol. Structure:-



Mol. Weight: - 188.15



2- Physical Properties:

Sr. No.	Properties	3'-(Trifluoromethyl) acetophenone
1-	Appearance	Clear liquid.
2-	Colour	Colourless to orange red.
3-	Odour	weak
4-	pH(1% Solution)	Data not available
5-	Boiling Point/range	198°C - 200 °C - lit.
6-	Melting point	Data not available.
6-	Flash Point	83 °C (A30)2006-10-13 Method entfernt
7-	Thermal decomposition	240 °C
8-	Vapor Pressure	0.35 hPa at 25 °C
9-	Density	1.26 g/cm ³ at 20 °C
10-	Solubility water	0.62 g/l at 25 °C
11-	Decomposition	Decomposes on heating producing toxic fumes carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen fluoride.



3. Product Quality Specification:

Sr. No.	Test Parameter	Specification
1-	Appearance	Clear colourless to orange liquid.
2-	Identification by IR	To match with ref. standard.
3-	3-Trifluoromethylacetophenone (By GC)	97 % Min.
4-	3-Aminobenzotrifluoride (By GC)	0.5 % w Max.
5-	3-Trifluoromethylphenol (By GC)	0.2 % w Max.
6-	Unknown impurities (By GC)	2 % Max.
7-	Toluene (GC)	1.0 % w Max.

4. Packing Information:

Sr. Number	Grade	Packing	Secondary Packing
1-	ISO container.	ISO container.	-----

DNL can customize packing for different quantities.



5. PRODUCT USES:

3'-(Trifluoromethyl) acetophenone is used as Laboratory chemicals, Manufacture of substances. It is used as an intermediate of Trifloxystrobin.

6. Regulatory Information:-

Particulars	Information	Pictogram
Hazard Class	Not available.	
Label	--	
Subsidiary Label	--	
UN Number	--	
Proper shipping Name	3'-(Trifluoromethyl) acetophenone	
Packing Group	--	

RTECS#: CAS# 349-76-8: None listed

7. PRODUCT SAFETY INFORMATION:

3'-(Trifluoromethyl) acetophenone may irritate skin and eye. If inhaled may cause respiratory tract irritation & may be harmful if swallowed. It is stable under recommended storage conditions. Materials Keep away from heat, sparks, and flame. Keep away from sources of ignition and oxidizing agents, reducing agents. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Hazardous decomposition products formed under fire conditions. - Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen fluoride. As with any chemical, 3'-(Trifluoromethyl) acetophenone requires care in handling. Anyone responsible for the procurement, use or disposal of this product should familiarize himself and those handling the product with the appropriate safety and handling precautions. This information is available in the Material Safety Data Sheet, which may be obtained by contacting our representative.



8. Manufacture Site:

Deepak Nitrite Limited (APL Division)
Plot No. 1 to 6, 26 to 31, MIDC Industrial Area, Dhatav, Roha,
Dist. Raigad 402 116, Maharashtra.
Phone No. 02194 263550/263750

9. Corporate Headquarter:

Deepak Nitrite Ltd.
Aaditya-I, National Highway No. 8, Chhani Road,
Vadodara - 390 024,
India
Ph. No (0265) 2765200

10. For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident, Call CHEMTREC
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887



Disclaimer:

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