C

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 decomposion	240 °C
8-	Vapor Pressure	0.35 hPa at 25 °C
9-	Density	1.26 g/cm3 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	3'-(Trifluoromethyl)	
Name	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:

The information published in this Technical Data Sheet has been compiled with the basic objective of selling and use of 3'-(Trifluoromethyl) acetophenone that meet basic quality requirements. Information presented herein has been considered to be accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. The information is provided without any representation of warranty, expressed or implied, regarding the accuracy or correctness. It is the user's responsibility to determine the accuracy or suitability of this information. Deepak Nitrite assume no responsibility for the accuracy or suitability of such information for application to the purchaser's intended purpose or for consequences of it's use. Adoption of necessary safety precautions, for any intended usage, shall remain the user's responsibility.

Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment. Deepak Nitrite assumes no responsibility for injury to user or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the Material Safety Data Sheet. Additionally, Deepak Nitrite assumes no responsibility for injury to user or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. The conditions or methods of handling, storage, and / or use of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, and / or use of this product.

All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry.