

# Safety data for acetophenone



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[Glossary](#) of terms on this data sheet.

The information on this web page is provided to help you to work safely, but it is intended to be an overview of hazards, not a replacement for a full Material Safety Data Sheet (MSDS). MSDS forms can be downloaded from the web sites of many chemical suppliers.

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## General

Synonyms: acetylbenzene, methyl phenyl ketone, phenyl methyl ketone, 1-phenylethanone, MPK, PMK

Molecular formula:  $C_8H_8O$

CAS No: 98-86-2

EC No: 202-708-7

Annex I Index No: 606-042-00-1

## Physical data

Appearance: yellow liquid

Melting point: 19 C

Boiling point: 202 C

Vapour density: 4.1

Vapour pressure: 0.45 mm Hg at 20 C

Specific gravity: 1.03

Flash point: 82 C

Explosion limits:

Autoignition temperature: 570 C

## Stability

Stable. Incompatible with strong oxidizing agents, strong bases, strong reducing agents. Combustible.

## Toxicology

Harmful if swallowed. May be harmful by inhalation or if absorbed through skin. Skin irritant. Causes severe eye irritation. May act as a narcotic.

### Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 815 mg kg<sup>-1</sup>

### Risk phrases

(The meaning of any risk phrases which appear in this section is given [here.](#))

R22 R36 R37 R38.

## Transport information

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

## Personal protection

Safety glasses. Adequate ventilation.

### Safety phrases

(The meaning of any safety phrases which appear in this section is given [here.](#))

S2 S26.

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# **SPECIFICATION**

## **PRODUCT: ACETOPHENONE**

Physical Appearance	Colourless to light yellow liquid
Purity % by mass (min.)	99.0
Solidification Point Deg.C (min.)	18.5
Phenol % by mass (max.)	0.01
Boiling Range	201 - 202.5
Density 15Deg.C/15Deg.C	1.033
Refractive Index 20 Deg.C	1.5339