



CAS #	EINECS #	Formula
78-93-3	201-159-0	C <sub>4</sub> H <sub>8</sub> O

### GENERAL DESCRIPTION

Methyl Ethyl Ketone, also known as MEK or Butanone is an organic compound with the formula C<sub>4</sub>H<sub>8</sub>O. Methyl Ethyl Ketone is a solvent used in surface coatings, adhesives, printing inks, chemical intermediates, magnetic tapes and lube oil dewaxing agents. MEK also is used as an extraction medium for fats, oils, waxes and resins. It is a highly efficient and versatile solvent for surfacecoatings. Because of its effectiveness as a solvent, MEK is especially valuable in formulating high solids coatings, which help to reduce emissions from coating operations. MEK is a natural component of many foods, including apple juice, beans, chicken, honey and a variety of cheeses.

### SPECIFICATIONS

Test Description	Lower Limit	Upper Limit
Purity, %	99.5	-
Specific Gravity @ 20°C	0.805	0.807
Water, %	-	0.1
Acidity as Acetic Acid, %	-	0.003
Color, Pt-Co	-	10

Note: Specifications are for reference purposes only. Actual results may vary.

### TYPICAL PROPERTIES

Description	Result
Flash Point:	-6.1 °C (21 °F)
Initial Boiling Point:	79.59 °C (175.26 °F)
Melting Point/Freezing Point:	-86.11 °C (-123 °F)
Partition Coefficient (n-octanol/water):	0.29
Dynamic Viscosity:	0.41 mPa.s (68 °F (20 °C))
Surface Tension:	24.6 mN/m (77 °F (25 °C))
Vapor Density (air=1):	2.41
Density:	0.80 g/ml
Specific Gravity (Water=1):	0.8
Pounds/Gallon:	6.71
Auto-Ignition Temperature:	404 °C (759.2 °F)
Solubility (water):	280 g/l
Molecular Weight:	72.11 g/mol

Note: Typical Properties are for reference purposes only. Actual results may vary.

### AVAILABILITY

Available in 4 fl oz, Pint (16 fl oz), Quart (32 fl oz), Gallon (128 fl oz), 5 Gallon (640 fl oz), 55 Gallon Drum(7040 fl oz).

### SHELF LIFE

Methyl Ethyl Ketone shelf life is 1 year.

## SHIPPING INFORMATION

Proper Shipping Name: Methyl Ethyl Ketone

UN Number: UN1193

Class or Division: 3

Packing Group: II

Label Required: Flammable Liquid (3)

## SAFETY INFORMATION

Hazard Statements	Highly flammable liquid and vapor Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness Suspected of damaging fertility or the unborn child
Precautionary Statements - Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, hot surfaces. -No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilation, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust, fume, gas, mist, vapors, spray. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, respiratory protection, eye protection, protective clothing, and face protection. Wash contaminated clothing before reuse.
Precautionary Statements - Response	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use dry powder, carbon dioxide, alcohol-resistant foam, or water fog.
Storage	Store tightly closed in a cool, well-ventilated place. Store locked up. Store away from sources of ignition.
Disposal	Dispose of contents/container to an approved waste disposal plant. Dispose of in accordance with local, regional, national, and international regulations.

## Additional Information

This product is considered a hazardous material. Do not handle until all safety precautions have been read and understood. Read the product label & safety data sheet (SDS) for information on proper handling, health risks, firefighting methods, spill procedures, emergency contact information, precautionary information, disposal information & more. Safety data sheets are available at [www.casewayproducts.com](http://www.casewayproducts.com) or by emailing [support@casewayproducts.com](mailto:support@casewayproducts.com)

**FOR PROFESSIONAL USE ONLY. KEEP OUT OF REACH OF CHILDREN**

Before using, the user must make their own independent determination that the product is suitable for the intended use and can be used safely and legally.

\* The information, suggestions, technical data, and advice provided on this sheet are based on test results, knowledge, and experience believed to be accurate and reliable. However, all information, suggestions, technical data, and advice are not to be considered a warranty and Caseway Industrial Products, Inc. assumes no liability for any direct, indirect punitive, incidental, special consequential damages, to property or life.