



Trade name

# METHYL N-AMYL KETONE (MAK)

Chemical Name 2-HEPTANONE

Chemical Structure  $\text{CH}_3(\text{CH}_2)_4\text{COCH}_3$



Molecular Formula  $\text{C}_7\text{H}_{14}\text{O}$

Molecular Weight 114.2

CAS No. 110-43-0

EINECS No. 203-767-1

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.814 - 0.818	JIS K 0061
	Purity	Wt %	99.0 min.	JIS K 0114
	Water Content	Wt %	0.05 max.	JIS K 0068
	Nonvolatile Matter	g/100ml	0.001 max.	JIS K 0067
	Free Acid (as acetic acid)	%	0.01 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	151.3
	Specific Gravity (20/20°C)		0.815
	Melting Point	°C	-35.5
	Refractive Index ( $n_D^{20}$ )		1.411
	Viscosity (20°C)	mPa·s	0.8
	Flash Point(closed cup)	°C	41.9
	Vapor Density (Air=1)	°C	3.97
	Explosion Limits	Vol%	1.1 – 7.9
	Ignition Point	°C	532
	Solubility (in Water 20°C)	g/100g	0.44
	Surface Tension (25°C)	N/cm	$3.45 \times 10^{-4}$

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<b>Health Hazards</b>	Acute toxicity data on MAK			
	Acute Toxicity	LD50(oral)	mouse	0.73g/Kg
<b>Emergency and First Aid Procedure</b>	1)Skin Contact	Remove contaminated clothing. Wash the affected area with plenty of clean water and soap. If irritation develops, see a physician.		
	2)Eye Contact	Flash eyes with plenty of clean water for at least 15 minutes while holding eyelids open. If irritation develops, see a physician.		
	3)Inhalation	If a large amount is inhaled, remove individual(s) to fresh air.		
<b>Storage</b>	Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet.			
<b>Extinguishing Media</b>	Water spray, Dry chemicals, Protein type air foams or carbon dioxide.			
<b>Packing</b>	20MT	ISO-Container		
	160Kg	Steel drum with Polyethylene Inner Container / Plastic Drum		

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