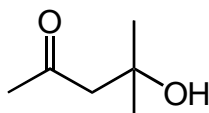




Trade name **DIACETONE ALCOHOL**

Chemical Name DIACETONE ALCOHOL
Chemical Structure $(\text{CH}_3)_2\text{C}(\text{OH})\text{CH}_2\text{C}(\text{O})\text{CH}_3$



Molecular Formula C₆H₁₂O₂
Molecular Weight 116.2
CAS No. 123-42-2
EINECS No. 204-626-7
TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	50 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.935 - 0.941	JIS K 0061
	Purity	Wt %	97.0 min.	JIS K 0114
	Water Content	Wt %	0.50 max.	JIS K 0068
		I.B.P.	140°C min.	JIS K 0066
	Distillation test	D.R. (until 160°C)	30 ml max.	JIS K 0066
		D.P.	170°C max.	JIS K 0066
	Nonvolatile Matter	g/100ml	0.005 max.	JIS K 0067
	Free Acid (as acetic acid)	%	0.02 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	169.2
	Specific Gravity (20/20°C)		0.940
	Melting Point	°C	-42.8
	Refractive Index (n_D^{20})		1.422
	Viscosity (20°C)	mPa·s	3.19
	Flash Point (closed cup)	°C	61
	Vapor Density (Air=1)	°C	4.0
	Explosion Limits	Vol%	1.8 – 6.9
	Ignition Point	°C	495
	Solubility (in Water 20°C)	g/100g	Completely Soluble
	Specific Heat	J/mol·K	238.21

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Health Hazards	Acute toxicity data on DIACETONE ALCOHOL		
	Acute Toxicity	LD50(oral)	rat 4.0g/Kg
Emergency and First Aid Procedure	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.	
Storage	Tighten the cap of container and store in a cool, dry, well-ventilated, storage area of cabinet.		
Extinguishing Media	Water spray, Dry chemicals, Protein type air foams or carbon dioxide.		
Packing	190Kg 20MT	Iron drum ISO-Container	

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