



Trade name **KYOWASOL C-800**

Chemical Name	ISO OCTANE
Chemical Structure	Mixture of C ₈ H ₁₈ Isomer
Molecular Formula	C ₈ H ₁₈
Molecular Weight	114.2
CAS No.	26635-64-3
EINECS No.	247-861-0
TSCA	On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Specific Gravity (20/20°C)	Wt %	0.694 – 0.734	JIS K 0061
	Water Content		0.01 max.	JIS K 0068
	Distillation Test	°C	I.B.P. 110 min.	JIS K 2254
	(Per 100ml of sample 760mm hg)	°C	D.P. 120 max.	
	Residue on Evaporation	g/100ml	0.005 max	JIS K 0067

Physical Property	Item	Unit	
	Boiling Point (760 mmHg)	°C	116
	Melting Point	°C	-65max.
	Specific Gravity(20/20°C)		0.714
	Refractive Index (nD25)		1.339
	Vapor Pressure(50°C)	KPa	9.6
	Viscosity (15°C)	mPa/s	0.63
	Solubility (20°C, in water)	g/100g	0.01max.
	Flash Point (COC)	°C	9.9
	Ignition Point	°C	277
	Explosion Limits	Vol%	0.9 – 7.4

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Health Hazards	Acute toxicity data on Kyowazol – C800		
	Acute Toxicity	LD50(oral)	rat >5,000mg/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	144Kg	Iron drum	
	20MT	ISO-Container	

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