



Trade name **TRIDECANOL**
(TRIDECYL ALCOHOL)

Chemical Name	ISOTRIDECANOL
Chemical Structure	Mixture of C ₁₃ H ₂₇ OH Isomer
Molecular Formula	C ₁₃ H ₂₈ O
Molecular Weight	200.4
CAS No.	27458-92-0
EINECS No.	248-469-2
TSCA	On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max	JIS K 0071
	Specific Gravity (20/20°C)		0.843 – 0.849	JIS K 0061
	Water Content	Wt %	0.10 max	JIS K 0068
	Distillation Test	°C I.B.P	245 min	JIS K 2254
	(Per 100ml of sample 760mm hg)	°C D.P.	270 max	
	Acid Value	KOHmg/g	0.1 max	JIS K 0070
	Iodine Value	Ig/100g	0.1 max	JIS K 0070
	Ester Value	KOHmg/g	1.5 max	JIS K 0070
	Hydroxyl Value	KOHmg/g	275 min	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point (760 mmHg)	°C	254
	Melting Point	°C	-30max.
	Specific Gravity (20/20°C)		0.846
	Vapor Density (Air=1)		6.9
	Refractive Index (n _D 25)		1.447
	Vapor Pressure (200°C)	kPa	20.9
	Viscosity (20°C)	mPa/s	34.0
	Solubility (in Water 20°C)	g/100g	0.01max
	Flash Point	°C	130
	Ignition Point	°C	252

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Health Hazards	Acute toxicity data on Tridecyl Alcohol		
	Acute Toxicity	LD50(oral)	mouse >5.5g/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	175Kg 20MT	Iron drum ISO-Container	

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