



**Trade name** **ISODECYL ALCOHOL (IDA)**

<b>Chemical Name</b>	ISODECYL ALCOHOL
<b>Chemical Structure</b>	Mixture of C <sub>10</sub> H <sub>21</sub> OH Isomer
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>22</sub> O
<b>Molecular Weight</b>	158.3
<b>CAS No.</b>	25339-17-7
<b>EINECS No.</b>	246-869-1
<b>TSCA</b>	On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10max	JIS K 0071
	Specific Gravity (20/20°C)		0.836 – 0.842	JIS K 0061
	Water Content	Wt %	0.10max	JIS K 0068
	Distillation Test	°C I.B.P	210min	JIS K 2254
	(Per 100ml of sample 760mm hg)	°C D.P.	224max	
	Acid Value	KOHmg/g	0.1max	JIS K 0070
	Iodine Value	Ig/100g	0.1max	JIS K 0070
	Ester Value	KOHmg/g	1.0max	JIS K 0070
	Hydroxyl Value	KOHmg/g	351min	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point (760 mmHg)	°C	211
	Melting Point	°C	-30 max
	Specific Gravity (20/20°C)		0.839
	Refractive Index (n <sub>D</sub> 25)		1.437
	Vapor Pressure (150°C)	KPa	13.3
	Viscosity (20°C)	mPa/s	17.0
	Solubility (in Water 20°C)	g/100g	0.01 max
	Flash Point	°C	103.5
	Ignition Point	°C	277

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<b>Health Hazards</b>	Acute toxicity data on Isodecyl Alcohol			
	Acute Toxicity	LD50(oral)	rat	4.72g/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>	170Kg	Iron drum		
	20MT	ISO-Container		

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