

Trade name	ISODECYL ALCOHOL (IDA)
Chemical Name	ISODECYL ALCOHOL
Chemical Structure	Mixture of C ₁₀ H ₂₁ OH Isomer
Molecular Formula	C ₁₀ H ₂₂ O
Molecular Weight	158.3
CAS RN[®]	25339-17-7
EINECS No.	246-869-1
TSCA	On Inventory

Specification	Item	Unit	Specification
	Appearance		Clear Liquid
	Color	APHA	10max
	Specific Gravity (20/20°C)		0.836 – 0.842
	Water Content	Wt %	0.10max
	Distillation Test	°C I.B.P	208min
	(Per 100ml of sample 760mm hg)	°C D.P.	224max
	Acid Value	KOHmg/g	0.1max
	Iodine Value	Ig/100g	0.1max
	Ester Value	KOHmg/g	1.0max
	Hydroxyl Value	KOHmg/g	351min

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 _D 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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Applications	Plasticizers, Surfactants, Additives, Lubricants		
Health Hazards	Acute toxicity data on Isodecyl Alcohol		
	Acute Toxicity	LD50(oral)	rat 4.72g/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	Flush 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	170Kg	Iron drum	
	20MT	ISO-Container	

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