



Trade name **ISONONYL ALCOHOL**
(OXOCOL 900)

Chemical Name	ISONONYL ALCOHOL
Chemical Structure	C ₉ H ₁₉ OH Isomers
Molecular Formula	C ₉ H ₂₀ O
Molecular Weight	144.3
CAS No.	27458-94-2 (68515-81-1)
EINECS No.	248-471-3
TSCA	On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max	JIS K 0071
	Specific Gravity (20/20°C)		0.833 – 0.839	JIS K 0061
	Water Content	Wt %	0.10 max	JIS K 0068
	Distillation Test	°C I.B.P	193 min	JIS K 2254
	(Per 100ml of sample 760mm Hg)	°C D.P.	208 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	1.0 max	JIS K 0070
	Hydroxyl Value	KOHmg/g	380 min	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point (760 mmHg)	°C	198
	Melting Point	°C	-30 max
	Specific Gravity (20/20°C)		0.837
	Refractive Index (nD ₂₅)		1.435
	Vapor Pressure (150°C)	kPa	19.5
	Viscosity (20°C)	mPa · s	12.7
	Solubility (in Water 20°C)	g/100g	0.02
	Flash Point	°C	94
	Ignition Point	°C	280
	Explosion Limits	Vol%	0.9 - 6.0

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Health Hazards	Acute toxicity data on Isononyl Alcohol			
	Acute Toxicity	LD50(oral)	rat	>2.0g/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	170Kg	Iron drum		
	20MT	ISO-Container		

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