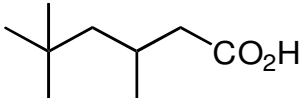


Trade name	ISONONANOIC ACID (KYOWANOIC - N)		
Chemical Name	3,5,5-TRIMETHYLHEXANOIC ACID		
Chemical Structure	$\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{COOH}$ 		
Molecular Formula	$\text{C}_9\text{H}_{18}\text{O}_2$		
Molecular Weight	158.2		
CAS RN[®]	3302-10-1(3,5,5-Trimethylhexanoic Acid)		
EINECS No.	221-975-0(3,5,5-Trimethylhexanoic Acid)		
TSCA	On Inventory		
Specification	Item	Unit	Specification
	Appearance		Clear Liquid
	Color	APHA	15max
	Purity	Wt %	95.0 min
	Specific Gravity	20/20°C	0.897 - 0.903
	Acid Value	KOHmg /g	337min
	Water Content	Wt %	0.10 max
Physical Property	Item	Unit	
	Appearance		Clear Liquid
	Boiling Point	°C	225
	Melting Point	°C	- 30max
	Flash Point (COC)	°C	127
	Ignition Point	°C	440
	Refractive Index	n_D^{20}	1.427
	Viscosity	mPa·s (20°C)	11.2
	Solubility (water in)	Wt %(22°C)	1.34
	(in water)	Wt %(22°C)	0.17

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Applications	Metal soaps, Lubricants, Surfactants, Alkyd resins, Acid chlorides, Cosmetics, Corrosion Inhibitors		
Health Hazards	Acute toxicity data on Kyowanoic- N		
	Acute Toxicity	LD ₅₀ (oral)	rat 0.732g/kg
	Irritation A single 4-hour and 1-hour test to rabbit skin: PII 4.3		
	Acute toxicity data on Nonanoic acid (CAS RN® 112-05-0) which is a isomer of the product (Kyowanoic—N) are shown for one's information		
		LD ₅₀ (oral)	rat 3,200mg/kg
		LD ₅₀ (oral)	mouse 15g/kg
		LD ₅₀ (ivn)	mouse 224mg/kg
	Irritation	skin rabbit	500mg/24H MODERATE
		skin guinea pig	100% SEVERE
		eye rabbit	91mg SEVERE
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	180kg	Epoxy lined iron drum	
	20MT	ISO container	
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Home page	https://www.khneochem.co.jp/		
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