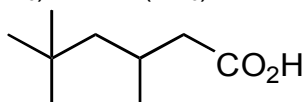


Trade name

**ISONONANOIC ACID (KYOWANOIC - N)**

**Chemical Name** 3,5,5-TRIMETHYLHEXANOIC ACID

**Chemical Structure** CH3C(CH3)2CH2CH(CH3)CH2COOH



**Molecular Formula** C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>

**Molecular Weight** 158.2

**CAS No.** 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	Method
	Color	APHA	15max	JIS K 0071
	Purity	Wt %	95.0 min	JIS K 0114
	Specific Gravity	20/20°C	0.897 - 0.903	JIS K 0061
	Acid Value	KOHmg /g	337min	JIS K 0070
	Water Content	Wt %	0.10 max	JIS K 0068

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 <sub>D</sub> <sup>20</sup>	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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<b>Health Hazards</b>	Acute toxicity data on Kyowanoic- N		
	Acute Toxicity	LD <sub>50</sub> (oral)	rat(female) 732mg/kg
	Irritation A single 4-hour and 1-hour test to rabbit skin: PII 4.3		
	Acute toxicity data on Nonanoic acid (CAS No. 112-05-0) which is a isomer of the product (Kyowanoic—N) are shown for one's information		
		LD <sub>50</sub> (oral)	rat 3,200mg/kg
		LD <sub>50</sub> (oral)	mouse 15g/kg
		LD <sub>50</sub> (ivn)	mouse 224mg/kg
Irrit ation	skin rabbit	500mg/24H	MODERATE
	skin guinea pig	100%	SEVERE
	eye rabbit	91mg	SEVERE

<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.
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**Extinguishing Media** Water spray , Dry chemicals , Protein type air foams or carbon dioxide .

<b>Packing</b>	180kg	Iron drum
	20MT	ISO container

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**Home page**

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