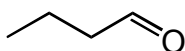


Trade name **BUTYRALDEHYDE**

Chemical Name BUTANAL

Chemical Structure  $\text{CH}_3(\text{CH}_2)_2\text{CHO}$



Molecular Formula  $\text{C}_4\text{H}_8\text{O}$

Molecular Weight 72.1

CAS No. 123-72-8

EINECS No. 204-646-6

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	10 max.	JIS K 0071
	Purity	Wt %	99.0 min.	JIS K 0114
	Water Content	Wt %	0.30 max.	JIS K 0068
	Free Acid (as butyric acid)	%	0.10 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	74.7
	Specific Gravity (20/20°C)		0.805
	Melting Point	°C	-99.0
	Refractive Index ( $n_D^{20}$ )		1.377
	Viscosity (20°C)	mPa·s	0.45
	Flash Point (closed cup)	°C	-9.0
	Vapor Density (Air=1)	°C	2.5
	Explosion Limits	Vol%	2.5 – 12.5
	Ignition Point	°C	218
	Solubility (in Water 20°C)	g/100g	7.1
	Specific Heat (80°C)	J/mol·K	56.4
	Surface Tension (25°C)	N/cm	$2.99 \times 10^{-4}$

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<b>Health Hazards</b>	Acute toxicity data on BUTYRALDEHYDE			
	Acute Toxicity	LD50(oral)	rat	2.49g/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>	150Kg	Iron drum		

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**Home page**

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