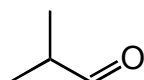


Trade name

ISOBUTYRALDEHYDE

Chemical Name 2-METHYL PROPANAL

Chemical Structure (CH₃)₂CHCHO



Molecular Formula C₄H₈O

Molecular Weight 72.1

CAS No. 78-84-2

EINECS No. 201-149-6

TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	20 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	62.0
	Specific Gravity (20/20°C)		0.794
	Melting Point	°C	-66.0
	Refractive Index (n _D ²⁰)		1.370
	Viscosity (20°C)	mPa·s	0.45
	Flash Point (closed cup)	°C	-17.5
	Vapor Density (Air=1)	°C	2.48
	Explosion Limits	Vol%	1.6 – 10.6
	Ignition Point	°C	196
	Solubility (in Water 20°C)	g/100g	11.0

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Health Hazards	Acute toxicity data on ISOBUTYRALDEHYDE		
	Acute Toxicity	LD50(oral)	rat 960mg/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	160Kg	Iron drum	

Kyowa Hakko Chemical Co.,Ltd.

3-2-15 Nihonbashi-Muromachi,
Chuo-ku, Tokyo, 103-0022, Japan
Tel: +81-3-3510-3552
Fax: +81-3-3510-3571

Kyowa Hakko USA, Inc

767 Third Avenue, 19th Fl.
New York, NY 10017, USA
Tel: +1-212-319-5353
Fax: +1-212-421-1283

Kyowa Hakko Europe GmbH

Immermannstr. 3
D-40210 Dusseldorf
Germany
Tel: +49-211-17-728-0
Fax: +49-211-17-728-41

**Kyowa Hakko Industry
(Singapore) Pte. Ltd.**

260 Orchard Road #12-04
The Heeren, Singapore 238855
Tel: +65-6733-4948
Fax: +65-6733-0819

Kyowa Hakko Chemical Co.,Ltd.

Shanghai Representative Office
8 Xingyi Road MaxDo Bldg., Room
908, Changning District, Shanghai
200336, China
Tel: +86-21-5208-0009
Fax: +86-21-5208-0130

Home page

www.kyowachemical.co.jp

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