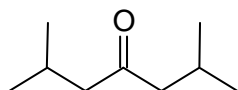




Trade name **DIISOBUTYL KETONE (DIBK)**

Chemical Name DIISOBUTYL KETONE
Chemical Structure $(\text{CH}_3)_2\text{CHCH}_2\text{C}(\text{O})\text{CH}_2\text{CH}(\text{CH}_3)_2$



Molecular Formula C₉H₁₈O
Molecular Weight 142.2
CAS No. 108-83-8
EINECS No. 203-620-1
TSCA On Inventory

Specification	Item	Unit	Specification	Method
	Appearance		Clear Liquid	
	Color	APHA	20 max.	JIS K 0071
	Specific Gravity (20/20°C)		0.807 - 0.815	JIS K 0061
	Water Content	Wt %	0.20 max.	JIS K 0068
	Distillation test	D.P. (5%)	162°C min.	JIS K 0066
		D.P. (95%)	172°C max.	JIS K 0066
	Free Acid (as acetic acid)	%	0.01 max.	JIS K 0070

Physical Property	Item	Unit	
	Boiling Point	°C	163.0
	Specific Gravity (20/20°C)		0.810
	Melting Point	°C	-42.0
	Refractive Index (n _D ²⁰)		1.412
	Viscosity (21°C)	mPa·s	0.89
	Flash Point (closed cup)	°C	49
	Vapor Density (Air=1)	°C	4.9
	Explosion Limits	Vol%	0.8 – 7.1
	Ignition Point	°C	396
	Solubility (in Water 20°C)	g/100g	0.05
	Specific Heat	J/mol·K	292.93
	Surface Tension	N/cm	2.39 × 10 ⁻⁴

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Kyowa Hakko Chemical Co., LTD. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or any process. Kyowa Hakko Chemical Co., LTD. assumes no legal responsibility for use of or reliance upon this information.

Health Hazards	Acute toxicity data on DIBK			
	Acute Toxicity	LD50(oral)	mouse	>1.416g/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.	Kyowa Hakko USA, Inc	Kyowa Hakko Europe GmbH	Kyowa Hakko Industry (Singapore) Pte. Ltd.
3-2-15 Nihonbashi-Muromachi, Chuo-ku, Tokyo, 103-0022, Japan	767 Third Avenue, 19th Fl. New York, NY 10017, USA	Am Wehrhahn 50 D-40211 Dusseldorf Germany	260 Orchard Road #12-04 The Heeren, Singapore 238855
Tel: +81-3-3510-3552	Tel: +1-212-319-5353	Tel: +49-211-17545-0	Tel: +65-6733-4948
Fax: +81-3-3510-3571	Fax: +1-212-421-1283	Fax: +49-211-17545-441	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

This information is furnished without warranty, express or implied, except that it is accurate to the best knowledge of Kyowa Hakko Chemical Co., LTD. It relates only to the specific material designated herein, and does not relate to use in combination with any other material or any process. Kyowa Hakko Chemical Co., LTD. assumes no legal responsibility for use of or reliance upon this information.