

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□

□□□□□: 6/19/2025 □□: 1.0

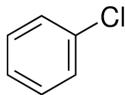
ao 1: aaaaa aaa aa aa

1.1.

□□□ : CHLOROBENZENE GC REFERENCE STANDARD

: C6H5Cl

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□□□ : Phenyl chloride, Monochlorobenzene

1.2. 0000 00 0000 00 00 00 00

: Laboratory chemicals

Reagent

1.3.

LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA

T +91 22 6663 6663, F +91 22 6663 6699 info@lobachemie.com, www.lobachemie.com

1.4.

nn **2:** nnn•nnn

2.1.

Regulation (EC) No.1272/2008 [CLP] \square \square \square \square

H226

H332

H315

H316

H317

H318

H318

H319

H319

H319

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2.2.

□□ (EC) No. 1272/2008□ □□ □□ □□ [CLP]

□□ □□ □□□□(CLP)







GHS02

GHS07

GHS09

□□□ (CLP) : □□

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P233 - □□□ □□□ □□□□□.

H332 - □□□□ □□□.

P240 - 000 00000 00000 00000.

P273 - □□□□□□□□□□□□.

P312 - 0000 000 00 00 00 00 00 00 00 00 00.

2.3. □ □ □ □

__ **3:** _____ __ __ __ __

3.1.

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	CAS :: 108-90-7 EC :: 203-628-5 EC :: 602-033-00-1	100

00**4:** 000000

4.1.

4.2.

: None under normal conditions.: None under normal conditions.

4.3.

Treat symptomatically.

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5.1.

: Water spray. Dry powder. Foam. Carbon dioxide.

: Do not use a heavy water stream.

5.2.

: 000 00 000.

: No direct explosion hazard. Toxic fumes may be released.

5.3.

: Fight fire from safe distance and protected location. Do not enter fire area without proper protective

equipment, including respiratory protection.

: Do not attempt to take action without suitable protective equipment. $\Box\Box\Box\Box\Box\Box\Box\Box\Box$. Complete

protective clothing.

6: 000000000

6.1.

00 0000 00 0000 000000.

: Wear recommended personal protective equipment.

: Do not attempt to take action without suitable protective equipment. $\Box\Box\Box\Box\Box\Box\Box\Box\Box$ 8: " $\Box\Box\Box$

: Evacuate unnecessary personnel.

6.2.

6.3.

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sewers or streams. Stop leak without risks if possible.

Take up liquid spill into absorbent material.

: Dispose of materials or solid residues at an authorized site.

6.4.

For further information refer to section 13.

7.1.

explosion-proof equipment.

: 00 00 0 000 000 000 000 000 000 000, 0000 000 000. Always wash

hands after handling the product.

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7.2. 0000 000 000 000 00

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7.3.

8.1.

8.2. \Box

000 000 00:

Ensure good ventilation of the work station.

____**:**

Wear recommended personal protective equipment.

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Safety glasses

Skin protection

OO OO:

Wear a mask

□ □□:

Protective gloves

00000:

Wear appropriate mask

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9.1.

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□□□ : □□□□
□□□ : -45 °C
□□□□□ □□ □□ : 132 °C

□□□: Miscible with ether

Partition coefficient n-octanol/water (Log Kow) : □□□□
Partition coefficient n-octanol/water (Log Pow) : 2.89

□ □ : 1.105 g/cm³ at 20 °C

9.2.

: 1

□□□ : 1.5241 at 20 °C/D

__ **10:** ___ _ _ _ _ _

10.1.

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10.2.

Stable under normal conditions.

10.3.

No dangerous reactions known under normal conditions of use.

10.4.

000 000 000 0000. 0. 00, 000, 0000 00 000000.

10.5.

10.6.

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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11.1. □□ (EC) No 1272/2008□ □□□, □□□ □□□ □□□

□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□

CHLOROBENZENE GC REFERENCE STANDARD (108-90-7)

 $\square \square (\square \square) \qquad \qquad 0.729 \text{ mm}^2/\text{s}$

11.2.

__ **12:** ___ __ __

12.1. □ □

12.2.

CHLOROBENZENE GC REFERENCE STANDARD (108-90-7)

12.3.

CHLOROBENZENE GC REFERENCE STANDARD (108-90-7)

Partition coefficient n-octanol/water (Log Pow) 2.89

12.4.

12.5. PBT □ **vPvB** □ □ □ □

0000

12.6.

12.7.

00 13: 000 0000

13.1.

 $\begin{tabular}{lll} $\square \square \square \square \square \square \square \end{tabular} \begin{tabular}{lll} $\square \square \end{tabular}$: Disposal must be done according to official regulations.

□□□□□ : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Disposal must be done according to official regulations.Disposal must be done according to official regulations.

: Do not re-use empty containers.

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ADR / IMDG / IATA / ADN / RID 🗆 🗆

14.1. UN 🗆 🗆 🗆 ID 🗆

UN-□□ (ADR) : UN 1134 UN-□□ (IMDG) : UN 1134 UN-□□ (IATA) : UN 1134 UN-□□ (ADN) : UN 1134 UN-□□ (RID) : UN 1134

14.2. UN 🗆 🗆 🗆 🗆

 \square \square \square \square (ADR) : 00000

: CHLOROBENZENE □ □ □ □ □ (IMDG) $\Box\Box\Box\Box\Box$ (IATA) : Chlorobenzene $\Box\Box\Box\Box\Box$ (ADN) : 00000 \square \square \square \square (RID) : 00000

: UN 1134 □□□□□, 3, III, (D/E), □□□□□ \square \square \square \square \square (ADR) (ADR)

: UN 1134 CHLOROBENZENE, 3, III, MARINE POLLUTANT/ENVIRONMENTALLY Transport document description (IMDG)

HAZARDOUS (29°C c.c.)

Transport document description (IATA) : UN 1134 Chlorobenzene, 3, III, ENVIRONMENTALLY HAZARDOUS

Transport document description (ADN) : UN 1134 □□□□□, 3, III, □□□□□□ Transport document description (RID) : UN 1134 □□□□□, 3, III, □□□□□□

14.3.

ADR

□□□□□ □□□ (ADR) : 3 $\Box\Box\Box\Box$ (ADR) : 3



IMDG

□□□□□□□□ (IMDG) : 3 : 3

 \Box \Box \Box (IMDG)



IATA

□□□□□□□□ (IATA) : 3

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ADN

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RID

14.4.

14.5.

14.6.

□□□(ADR) : F1
□□□(ADR) : 51
□□□(ADR) : E1

 $\square \square \square \square (ADR) \hspace{1.5cm} : \hspace{.1cm} P001, \hspace{.1cm} IBC03, \hspace{.1cm} LP01, \hspace{.1cm} R001 \\$

: MP19 $\square \square (ADR)$ □□□ □□ □□ □□ □□ (ADR) : T2 □□□□□□□□□□□□□□□(ADR) : TP1 : LGBF : FL \square \square \square \square \square \square \square \square \square \square : 3 \square \square \square \square \square \square \square - \square \square (ADR) : V12 \square \square \square \square \square \square \square - \square \square (ADR) : S2 \square \square \square \square \square (Kemler \square \square) : 30

30 1134

□□□□(ADR) : D/E EAC□□ : 2Y

: 5 L $\square\,\square\,\,\square\,\,\square(\text{IMDG})$ \square \square \square (IMDG) : E1 \square \square \square (IMDG) : P001, LP01 $IBC \square \square \square \square (IMDG)$: IBC03 \Box \Box \Box (IMDG) : T2 \square \square \square \square \square (IMDG) : TP1 \square \square \square (IMDG) : A \square \square (IMDG) : SGG10 $\square \square \square$ (IMDG) : 29°C c.c.

: Colourless liquid with an almond-like odour. Flash point: 29°C c.c. Explosive limits: 1.3% to 11%.

Immiscible with water.

PCA □□□(IATA) : E1
PCA □□□(IATA) : Y344

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□□□(RID) : F1
□□□(RID) : 5L
□□□(RID) : E1

□□□ (RID) : P001, IBC03, LP01, R001

15: 00 0000

EU □□

REACH \square \square XVII (\square \square \square)

EU restriction □□ (REACH Annex XVII)	
00 00	
3(a)	CHLOROBENZENE GC REFERENCE STANDARD
3(b)	CHLOROBENZENE GC REFERENCE STANDARD
3(c)	CHLOROBENZENE GC REFERENCE STANDARD
40.	CHLOROBENZENE GC REFERENCE STANDARD

REACH | | | | XIV (| | | | | | |

REACH \square \square \square \square (SVHC)

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PIC □□ (□□□□□□)

PIC □□□ □□□□ □□ (□□ EU 649/2012)

CHLOROBENZENE GC	REFERENCE STANDARD				
□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□					
Ozone Regulation (2024/590)					
Not listed on the Ozone Depletion list (Regulation EU 20	024/590)				
					
Not listed on the COUNCIL REGULATION (EC) of dua	al-use items.				
Not listed on the Explosives Precursors list (EU)					
□□□□□□□ (273/2004)					
Not listed on the Drug Precursors list (EU)					
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Ordinance on Flammable Liquids (VbF)	: Hazard category 3: Flammable (flash point 23 - 60 °C. Excluding gas oils and petroleum).				
000					
RG 9					
Employment restrictions	: 00 00 000 (MuSchG)0 00 00 00.				
WGK	 □□□□□□□(JArbSchG)□□□□□. : WGK 2, □□□□□□ (Classification according to AwSV; ID □□ 53). 				
□□ □□ □□(12. BImSchV)	: Is not listed in the Major Accidents Ordinance (12. BImSchV)				
0000					
SZW-lijst van kankerverwekkende stoffen	: 000 0000 00000.				
SZW-lijst van mutagene stoffen	: 000 0000 00000.				
SZW-lijst van reprotoxische stoffen – Borstvoeding	: 000 0000 00000.				
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	: 000 0000 00000.				
SZW-lijst van reprotoxische stoffen – Ontwikkeling					
000					
Class for fire hazard	: 🗆 II-1				
Store unit	: 5 liter				

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: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).

Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).

The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).

Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).

Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).

Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).

The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488) Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).

Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).

ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

Royal Decree 665/1997

: Is not subject to the Royal Decree 665/1997

15.2.

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

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ACGIH	American Conference of Government Industrial Hygienists	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV		
BOD	Biochemical oxygen demand (BOD)	
CAS □□	0000 00 00 00(CAS)	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
COD		
CSA		
DMEL	Derived Minimal Effect level	
DNEL		
ЕС 🗆 🗆	00 000 00	
EC50	Median effective concentration	
ED	000 0000	

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EN		
EWC	European waste catalogue	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
Log Kow	Partition coefficient n-octanol/water (Log Kow)	
Log Pow	Partition coefficient n-octanol/water (Log Pow)	
MAK	maximum workplace concentration	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
N.O.S.	Not Otherwise Specified	
OECD	Organisation for Economic Co-operation and Development	
OEL		
OSHA	Occupational Safety & Health Administration	
PBT	Persistent Bioaccumulative Toxic	
PNEC		
PPE		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS		
STP	Sewage treatment plant	
TF	000 00	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
TWA	Time Weighted Average	
COV	Volatile Organic Compounds	
vPvB	Very Persistent and Very Bioaccumulative	
UFI		

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