

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

SDS Reference Number: 03817

□□□□□: 4/9/2014 □□□□□: 5/27/2025 □□□□: 6/13/2016 □□: 1.1

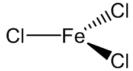
ao 1: aaaaa aaa aa aa

1.1.

□□□ : FERRIC CHLORIDE ANHYDROUS EXTRA PURE

□□□ : Inorganic compound

: FeCl3



□□□ : Iron (III) Chloride, Iron trichloride, Molysite

1.2.

00 00 00

: Industrial. For professional use only.

: Laboratory chemicals

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.

: +91 22 6663 6663 (9:00am - 6:00 pm)

□□ **2:** □□□·□□□

2.1.

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

 $\square\square(H) \square\square \square EUH \square\square \square\square : 16\square \square\square.$

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2.2.

□□ (EC) No. 1272/2008□ □□ □□ □□ [CLP]

□□ □□ □□□□(CLP)



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GHS05 GHS07

□□□ (CLP) : □□

> H302 - 000 000. H315 - 000 000 000. H318 - 00 000 000.

: P234 - 000 0000.

P280 - 0000, 000, 000, 00000 0(0) 00000.

2.3. □ □ □ □

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

3.1. □□□□

	0000	%
FERRIC CHLORIDE ANHYDROUS	CAS □□: 7705-08-0 EC □□: 231-729-4	100

004:00000

4.1.

if necessary. $\Box\Box\Box\Box\Box\Box\Box\Box\Box\Box\Box\Box$.

□□□. Call a physician immediately.

First-aid measures for first aider : \(\text{\color} \) \(\text{

4.2.

: None under normal conditions. Dust of the product, if present, may cause respiratory irritation after

excessive inhalation exposure.

: On One of the control of the contr

: Swallowing a small quantity of this material will result in serious health hazard. $\Box\Box\Box\Box$

4.3.

Treat symptomatically.

__ 5: __-_______

5.1.

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

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5.2.

□□□□ : No fire hazard.

: 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 enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment.

clothing.

__ **6:** _____

6.1.

□□□□ : Wear recommended personal protective equipment.

: Do not attempt to take action without suitable protective equipment.

: Ventilate area. Evacuate unnecessary personnel.

0000 0000 000.

6.3.

□□□ : Using a clean shovel, put the material in a dry container and cover without compressing it.

inert solids, such as clay or diatomaceous earth as soon as possible.

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

6.4.

For further information refer to section 13.

nn **7:** nn n nnnn

7.1. □ □ □ □ □ □

Provide good ventilation in process area to prevent formation of vapour. $\Box\Box\Box\Box\Box\Box\Box\Box\Box\Box\Box$

□ □ □ □ □ □ □ □ □ □ □ □ □. Always wash hands after handling the product.

7.2. 0000 000 000 000 00

□□□□□ : Keep in a cool, well-ventilated place away from heat.

original container.

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7.3.

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8.1.

8.2. □□□□

000 000 00:

Ensure good ventilation of the work station.

____**:**

Wear recommended personal protective equipment.







□ □□:

Chemical goggles or safety glasses

Skin protection

OO OO:

Wear a mask

□ □□:

Protective gloves

00000:

Wear appropriate mask

00 00 00:

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nn **9:** nnnnn nn

9.1. 0000 00000 000 00

: □□
: Dark green.

: Deliquescent crystals.

: slight odor of hydrochloric acid.

: □□□□ □□□ : 307.6 °C □□□ : □□□□

: 316 °C (Decomposes)

: 000 : 000 : 000 : 000 : 30 °C

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□□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□ : 316 °C pН : 2 at 20 °C рН □□□ □□ : 1% : 0000 : : Soluble in water Partition coefficient n-octanol/water (Log Kow) : 0000 Partition coefficient n-octanol/water (Log Pow) : 0.055 : $< 1 \text{ hPa at } 20 \text{ }^{\circ}\text{C}$ 50°C : 0000 : 2.9 g/cm³ 20°C : 5.6 (Air = 1.0)Particle size : 0000 9.2. : 1.9 – 11.8 vol % **== 10:** === = === The product is non-reactive under normal conditions of use, storage and transport. 10.2. Stable under normal conditions. 10.3. No dangerous reactions known under normal conditions of use. 10.4. □□□. Extremely high or low temperatures. 10.5. 10.6. Under normal conditions of storage and use, hazardous decomposition products should not be produced. 00 **11:** 000 00 00 11.1. □□ (EC) No 1272/2008□ □□□, □□□ □□□ □□ : 000000. : 000000 : 000000 : 000 000 000. pH: 2 at 20 °C FERRIC CHLORIDE ANHYDROUS (7705-08-0) 2 at 20 $^{\circ}\mathrm{C}$ pН : 00000000000. pH: 2 at 20 °C FERRIC CHLORIDE ANHYDROUS (7705-08-0) 2 at 20 °C рΗ

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FERRIC CHLORIDE ANHYDROUS EXTRA PURE (7705-08-0)

FERRIC CHLORIDE ANHYDROUS (7705-08-0)

11.2.

00 12: 000 000 00

12.1. □ □

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in

the environment.

12.2.

FERRIC CHLORIDE ANHYDROUS EXTRA PURE (7705-08-0)

FERRIC CHLORIDE ANHYDROUS (7705-08-0)

12.3.

FERRIC CHLORIDE ANHYDROUS (7705-08-0)

Partition coefficient n-octanol/water (Log Pow) 0.055

12.4.

12.5. PBT □ **vPvB** □ □ □ □

12.6.

12.7.

00 13: 000 0000

13.1.

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

: Disposal must be done according to official regulations.

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Disposal must be done according to official regulations.

: Do not re-use empty containers.

__ **14:** ___ __ __ __

ADR / IMDG / IATA / ADN / RID 🗆 🗆

14.1. UN 🗆 🗆 🗆 ID 🗆

$UN-\Box\Box$ (ADR)	:	UN 1773
UN-□□ (IMDG)	:	UN 1773
UN-□□ (IATA)	:	UN 1773
UN-□□ (ADN)	:	UN 1773
UN-□□ (RID)	:	UN 1773

14.2. UN □□ □□□

 $\Box\Box\Box\Box\Box$ (ADR) : DD D(II) DD, DDD

□□ □□□ (IMDG) : FERRIC CHLORIDE, ANHYDROUS

 $\Box\Box\Box\Box\Box$ (IATA) : Ferric chloride, anhydrous \square \square \square \square (ADN) $: \ \square\square \ \square(II) \ \square\square, \ \square\square\square$: DD D(II) DD, DDD \square \square \square \square (RID)

□□ □□ □□ (ADR) (ADR)

□□ □□ □□ (IMDG) : UN 1773 FERRIC CHLORIDE, ANHYDROUS, 8, III

 \square \square \square \square \square (IATA) : UN 1773 Ferric chloride, anhydrous, 8, III : UN 1773 🗆 🗆 (II) 🗆 🗆 , 🗆 🗆 , 8, III \square \square \square \square \square (ADN) □□ □□ □□ (RID) : UN 1773 □□ □(II) □□, □□□, 8, III

14.3.

ADR

□□□□□□□□ (ADR) : 8 $\Box\Box\Box\Box$ (ADR) : 8

IMDG

□□□□□□□□ (IMDG) : 8 \Box \Box \Box (IMDG) : 8



IATA

□□□□□□□□□ (IATA) $\Box\Box\Box\Box$ (IATA)



ADN

: 8 $\Box\Box\Box\Box$ (ADN) : 8

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RID

(RID)



14.4.

| Carron | C

14.5.

14.6.

□□□(ADR) : C2
□□□(ADR) : 590
□□(ADR) : 5kg
□□(ADR) : E1

□□□(ADR) : P002, IBC08, LP02, R001

: VC1, VC2, AP7

 $\square\square\square\square\square(\text{Kemler}\square\square) \qquad \qquad : \ \underline{80}$

80 1773

□□□□□(ADR) : E EAC□□ : 2X

 $\square \,\square \,\square \,\square (IMDG)$: 5 kg : E1 $\square\,\square\,\square(\text{IMDG})$: P002, LP02 □ □ □ □ (IMDG) $\mathsf{IBC} \; \Box \; \Box \; \Box \; (\mathsf{IMDG})$: IBC08 $IBC \; \Box \; \Box \; \Box \; (IMDG)$: B3 : T1 $\square\,\square\,\,\square\,\,\square\,\,(\text{IMDG})$ □□ □□ □□ (IMDG) : TP33 \Box \Box \Box (IMDG) : A

 $\Box\Box$ (IMDG) : SGG1, SG36, SG49

FERRIC CHLORIDE ANHYDROUS EXTRA PURE □□ (EU) 2020/878□ □□ □□□ REACH □□ (EC) 1907/2006□ □□ : Brown solid. In the presence of moisture, highly corrosive to most metals. The provisions of this Code should not apply to the solid hydrated form. $MFAG-\square$: 157 PCA □□ □□(IATA) : E1 $PCA \square \square \square \square (IATA)$: Y845 $PCA \square (IATA)$: 5kg $PCA \square \square \square \square (IATA)$: 860 $PCA \square \square \square \square \square (IATA)$: 25kg $CAO \square \square \square \square (IATA)$: 864 CAO 🗆 🗆 🗆 🗆 (IATA) : 100kg : A803 \Box \Box \Box (IATA) $ERG \square \square (IATA)$: 8L $\Box\Box\Box\Box(ADN)$: C2 \square : 590 $\square \square \square (ADN)$: 5 kg $\square \square \square (ADN)$: E1 : PP, EP □□ □□/□□□ □□(ADN) : 0 \square \square \square \square \square \square \square \square \square : C2 \square \square \square (RID) : 590 \square \square \square (RID) : 5kg : E1 \square \square (RID) : P002, IBC08, LP02, R001 □ □ □ □ (RID) \square \square \square (RID) : B3 : MP10 □□ □□ □□ □□ (RID) □□□ □□ □□ □□ □□ (RID) : T1 □□□□□□□□□□□□□□(RID) : TP33 $RID \square \square \square \square \square \square \square (RID)$: SGAV \square \square \square \square (RID) : 3 □□ □□ □□ □□ - □□ □□(RID) : VC1, VC2, AP7 : CE11 □□□ □□ □□ (RID) : 80

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15.1. 00, 00 0 000 0000 000 00 000 00 00 00/00

EU □□

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

REACH □□□ **XIV** (□□ □□)

REACH $\square\square\square$ XIV ($\square\square$ $\square\square$) \square $\square\square\square\square$

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

PIC □□ (□□□□□□)

POP -- (**---- ----**)

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Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

□□□□□□(428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

□□ □□□ □□ (2019/1148)

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□□□□□□□□(273/2004)

WGK : WGK 1, □□ □□ □□ (Classification according to AwSV; ID □□ 515).

ппп

Class for fire hazard : \square II-1 Store unit : 5 liter

: 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)

15.2. □□ □□ □□ □□

No chemical safety assessment has been carried out

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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 (CAS)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	
CSA	
DMEL	Derived Minimal Effect level
DNEL	
ЕС 🗆 🗆	
EC50	Median effective concentration
ED	
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	00 000 00
PPE	00 000

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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	00 00 000		

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	OO OO (OO), OO 4			
1	00 0 000/0 000, 00 1			
2	00 000/00 000, 00 2			
H290				
H302	000 000.			
H315				
H318				

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