

FERRIC NITRATE NONAHYDRATE AR/ACS

□□□□□□□□

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

SDS Reference Number: 03830

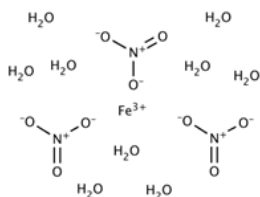
□□ □□ □□: 4/9/2014 □□ □□ □□: 1/28/2025 □□ □□ □□: 6/14/2016 □□ □□: 1.1

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1.1. □□□□

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EC □□
CAS □□
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: FERRIC NITRATE NONAHYDRATE AR/ACS
: 233-899-5
: 7782-61-8
: 03830
: Inorganic compound
: FeN3O9 · 9H2O



□□ □□ : Iron (III) nitrate nonahydrate, Iron(3+) trinitrate nonahydrate

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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: Industrial. For professional use only.
: Laboratory chemicals
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1.3. □□□□□□□□ □□□ □□

LOBA CHEMIE PVT.LTD.
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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] □□ □□ □□

□□ □□□/□□ □□□, □□ 1 H314
□□(H) □□ □ EUH □□ □□: 16□ □□.

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2.2. □□□□□□□ □□□ □□□□ □□

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

□□ □□ □□□□(CLP)



GHS05

□□□ (CLP) : □□

FERRIC NITRATE NONAHYDRATE AR/ACS

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

□□·□□ □□ (CLP) : H314 - □□□ □□ □□□ □ □□□ □□□.
□□ □□ □□(CLP) : P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□.
P303+P361+P353 - □□(□□ □□□□)□ □□□ □□□ □□ □□□□. □□□ □□ □□□□ .
P305+P351+P338 - □□ □□□□: □ □□ □□ □□□□ □□□□. □□□□ □□□ □□□ □□□□□. □□ □
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2.3. □□ □□

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

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3.1. □□□□

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| □□ | □□□□ | % |
|----------------------------|---------------------------------------|-----|
| FERRIC NITRATE NONAHYDRATE | CAS □□: 7782-61-8 EC □□: 233-899-5 | 100 |

□□ 4: □□□□□□

4.1. □□□□ □□

□□ □□ □□ : Call a physician immediately.
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□□□ □□ □□□□[□□ □□□□□]. □□□ □□ □□□ □□ □□□□. Call a physician immediately.
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□□□□. Call a physician immediately.
□□□ □ : Rinse mouth out with water. □□□□ □□/□□□ □□□□. □□□ □□ □□□. □□ □□□□□. Do not
induce vomiting. Call a physician immediately.
First-aid measures for first aider : □□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

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□□ □□ □ □□/□□ : □□□ □□□ □□□. Burns.
□ □□ □ □□/□□ : □□ □□ □□□ □□□. Serious damage to eyes.
□□ □ □□/□□ : Burns.

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

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5.1. □□□ □□□

□□□ □□□ : Water spray. Foam. Dry powder. Carbon dioxide.
□□□□ □□□ : Do not use a heavy water stream.

5.2. □□□□□□□ □□□ □□ □□□

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

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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. □□□ □□□□□. Complete protective clothing.

□□ 6: □□□□□ □□□□

6.1. □□□ □□□□ □□ □□□ □□□□ □ □□□

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- □□ □□ □□ □□ : Wear recommended personal protective equipment.
- □□ : Ventilate spillage area. Evacuate unnecessary personnel. □□ □ □□□ □□□ □□□□. □□/□/□□/□ □□/□□/□□□□ □(□) □□□□ □□□.
- □□ □□ □□ □□ : Do not attempt to take action without suitable protective equipment. □□□ □□ □□□□ □□□□□. □ □□□ □□□ □□ 8: "□□□□ □ □□□□□"□ □□□□□.
- □□ : Ventilate area. Evacuate unnecessary personnel.

6.2. □□□ □□□□ □□ □□□ □□□□

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6.3. □□ □□ □□ □□

- : Using a clean shovel, put the material in a dry container and cover without compressing it.
- □□ : Mechanically recover the product. □□□□ □□□□. On land, sweep or shovel into suitable containers. Soak up spills with 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.

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7.1. □□□□□□

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- : Ensure good ventilation of the work station. □□ □ □□□ □□□ □□□□. Do not breathe vapours. □ □/□/□□/□□□□/□□/□□□□ □(□) □□□□ □□□□. □□ □□□□ □□□□□□.
- □□ : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. □□ □□ □ □□□ □□□ □□□□□□. □ □□□ □□□ □□□ □□□, □□□□ □□ □□ □□□□. Always wash hands after handling the product.

7.2. □□□□ □□□ □□□ □□□ □□ □□

- □□ : Keep in a cool, well-ventilated place away from heat.
- □□ : □□□ □□□ □□□□□□. □□□ □□□□ □□□□□□. □□□□□ □□ □□□□□.
- □□ □□ : Sources of ignition.
- : Store always product in container of same material as original container.

7.3. □□ □□ □□

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□□ 8: □□□□ □□□□□□

8.1. □□ □□ □□

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8.2. □□□□

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Ensure good ventilation of the work station.

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□□ □□□:

Wear recommended personal protective equipment.

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□ □□:

Chemical goggles or safety glasses

Skin protection

□□ □□:

Wear a mask

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Protective gloves

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Wear appropriate mask

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□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

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: Pale Mauve.

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: Crystalline powder or crystals.

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: 404 g/mol

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: slight nitric acid odor.

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: 47 °C

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: 125 °C

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: ≈ 100 °C (Release of water of crystallization)

pH

: 1.3 at 20 °C

pH □□

: 100 g/L

□□(□□□)

: □□□□

FERRIC NITRATE NONAHYDRATE AR/ACS

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□□□ : □□: Freely soluble
□□□□: Soluble in ethanol
□□□□: Soluble in acetone

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

50°C□□□□ □□□□ : □□□□
□□□□ : 1.6429 g/cm³ at 20 °C
□□□□ : □□□□

20°C□□□□ □□ □□ □□ : □□□□

Particle size : □□□□

9.2. □□□□□□□□

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□□ 10: □□□□ □□□□

10.1. □□□□

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. □□□□ □□□□

□□□□. Overheating.

10.5. □□□□ □□□□

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10.6. □□□□ □□□□ □□□□

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

□□ 11: □□□□ □□□□

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

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□□ □□□□ □□ □□□□ : Causes severe skin burns.
pH: 1.3 at 20 °C
□□ □□ □□ □□ □□□□ : Assumed to cause serious eye damage
pH: 1.3 at 20 °C
□□□□ □□ □□ □□□□ : □□□□ □□
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FERRIC NITRATE NONAHYDRATE AR/ACS (7782-61-8)

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FERRIC NITRATE NONAHYDRATE AR/ACS

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11.2. □□ □□ □□

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□□ 12: □□□ □□□ □□

12.1. □□

□□□ - □□ : Before neutralisation, the product may represent a danger to aquatic organisms.
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12.2. □□□ □□□□

FERRIC NITRATE NONAHYDRATE AR/ACS (7782-61-8)

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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

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12.6. □□□ □□ □□

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12.7. □□ □□ □□

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□□ 13: □□□ □□□□

13.1. □□□ □□□

□□ □□(□□□) : 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.
□□/□□ □□ □□□□ : Comply with applicable regulations for solid waste disposal. 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-□□(ADR) : UN 3260
UN-□□ (IMDG) : UN 3260
UN-□□(IATA) : UN 3260
UN-□□(ADN) : UN 3260
UN-□□(RID) : UN 3260

14.2. UN □□ □□□

□□ □□□ (ADR) : □□□ □□, □□, □□□, □□ □□□ □□□ □□ □
□□ □□□ (IMDG) : CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

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| □□ □□□ (IATA) | : Corrosive solid, acidic, inorganic, n.o.s. |
| □□ □□□ (ADN) | : □□□□ □□, □□, □□□, □□ □□□□ □□□ □□ □ |
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| □□ □□ □□ (ADR) (ADR) | : UN 3260 □□□□ □□, □□, □□□, □□ □□□□ □□□□ □□ □ (FERRIC NITRATE NONAHYDRATE), 8, II, (E) |
| □□ □□ □□ (IMDG) | : UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (FERRIC NITRATE NONAHYDRATE), 8, II |
| □□ □□ □□ (IATA) | : UN 3260 Corrosive solid, acidic, inorganic, n.o.s. (FERRIC NITRATE NONAHYDRATE), 8, II |
| □□ □□ □□ (ADN) | : UN 3260 □□□□ □□, □□, □□□, □□ □□□□ □□□ □□ □, 8, II |
| □□ □□ □□ (RID) | : UN 3260 □□□□ □□, □□, □□□, □□ □□□□ □□□ □□ □, 8, II |

14.3. □□□□□ □□□□ □□

ADR

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IMDG

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| □□ □□ (IMDG) | : 8 |



IATA

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| □□ □□ (IATA) | : 8 |



ADN

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RID

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| □□ □□ (RID) | : 8 |



14.4. □□□□

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| □□ □□ (ADR) | : II |
| □□ □□ (IMDG) | : II |
| □□ □□ (IATA) | : II |
| □□ □□ (ADN) | : II |
| □□ □□ (RID) | : II |

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14.5. □□ □□□□

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 □□□□□□ : □□□
 EmS-No. (□□) : F-A
 EmS-No. (□□) : S-B
 □ □□ □□□□ : □□ □□ □□ □□

14.6. □□□□ □□ □□ □□□□

□□ □□ :
 □□ □□(ADR) : C2
 □□ □□(ADR) : 274
 □□□(ADR) : 1kg
 □□□(ADR) : E2
 □□ □□(ADR) : P002, IBC08
 □□ □□ (ADR) : B4
 □□ □□ □□ □□ □□(ADR) : MP10
 □□□ □□ □ □□ □□□□ □□ (ADR) : T3
 □□□ □□ □ □□ □□□□ □□ □□ (ADR) : TP33
 □□ □□(ADR) : SGAN
 □□ □□□□ □□ : AT
 □□ □□(ADR) : 2
 □□ □□ □□ □□ - □□(ADR) : V11
 □□ □□ □□(Kemler □□) : 80
 Orange plates (□□□□□□) :



□□ □□ □□ (ADR) : E
 EAC □□ : 2X

□□ □□ :
 □□ □□ (IMDG) : 274
 □□ □□(IMDG) : 1 kg
 □□□(IMDG) : E2
 □□ □□ (IMDG) : P002
 IBC □□ □□(IMDG) : IBC08
 IBC □□ □□ (IMDG) : B21, B4
 □□ □□ (IMDG) : T3
 □□ □□ □□ (IMDG) : TP33
 □□ □□ (IMDG) : B
 □□(IMDG) : SGG1, SG36, SG49
 □□□ □□□□ (IMDG) : Causes burns to skin, eyes and mucous membranes.
 MFAG-□□ : 140

□□ □□ :
 PCA □□ □□(IATA) : E2
 PCA □□ □□(IATA) : Y844
 PCA □□ □□ □□ □□□(IATA) : 5kg
 PCA □□ □□(IATA) : 859
 PCA □□ □□□(IATA) : 15kg
 CAO □□ □□(IATA) : 863
 CAO □□ □□□(IATA) : 50kg
 □□ □□(IATA) : A3, A803
 ERG □□(IATA) : 8L

□□ □□ □□ :
 □□ □□(ADN) : C2
 □□ □□(ADN) : 274
 □□□(ADN) : 1 kg
 □□□(ADN) : E2
 □□ □□(ADN) : PP, EP

FERRIC NITRATE NONAHYDRATE AR/ACS

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

SZW-lijst van mutagene stoffen : □□□ □□□□ □□□□□.
 SZW-lijst van reprotoxische stoffen – Borstvoeding : □□□ □□□□ □□□□□.
 SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : □□□ □□□□ □□□□□.
 SZW-lijst van reprotoxische stoffen – Ontwikkeling : □□□ □□□□ □□□□□.

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□□□ □□ □□ : 18□ □□ □□□ □□ □□□ □□□□□

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 □□ | □□□□ □□ □□ □□(CAS) |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | □□□ □□ □□□ |
| CSA | □□ □□ □□□ □□ |
| DMEL | Derived Minimal Effect level |
| DNEL | □□ □□□ □□ |
| EC □□ | □□ □□□ □□ |
| 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 |

FERRIC NITRATE NONAHYDRATE AR/ACS

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

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|------------|--|
| 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 | □□□ □□ |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TWA | Time Weighted Average |
| COV | Volatile Organic Compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI | □□ □□ □□□ |

| □H□ □ EUH□ □□: | |
|----------------|-----------------------|
| □□ □□□ 1 | □□ □□□/□□ □□□, □□ 1 |
| H314 | □□□ □□ □□□ □ □□□ □□□. |

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