

STRONTIUM NITRATE ANHYDROUS EXTRA PURE

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

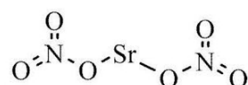
SDS Reference Number: 06138

□□ □□□□: 4/9/2014 □□ □□□□: 1/27/2025 □□ □□: 4/9/2015 □□: 1.0

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1.1. □□□□

□□ □□ : □□
 □□ □□ : STRONTIUM NITRATE ANHYDROUS EXTRA PURE
 EC □□ : 233-131-9
 CAS □□ : 10042-76-9
 □□ □□ : 06138
 □□ □□ : Inorganic compound
 □□ □□ : Sr(NO₃)₂
 □□ □□ :



□□ □□ : Strontium nitrate, Strontium dinitrate

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

□□ □□ □□ : Laboratory chemicals, Manufacture of substances
 □□□□/□□□□ □□

1.3. □□□□□□□□ □□□□ □□

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1.4. □□□□□□

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

□□ 2: □□□·□□□

2.1. □□□·□□□ □□

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

□□□□ □□ □□ □□ H272
 □□ □□ (□□), □□ 4 H302
 □□ □□□/□□ □□□, □□ 2 H315
 □□ □ □□□/□ □□□, □□ 2 H319
 □□□□□□ □□ - 1□ □□, □□ 3, □□□□ □□ H335
 □□(H) □□ □ EUH □□ □□: 16□□□□.

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2.2. □□□□□□□□ □□□□ □□□□ □□

□□ (EC) No. 1272/2008 □□ □□ □□ [CLP]

□□ □□ □□□□(CLP)



STRONTIUM NITRATE ANHYDROUS EXTRA PURE

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

	GHS03	GHS07
□□□ (CLP)	: □□	
□□·□□ □□ (CLP)	: H272 - □□□ □□□□ □; □□□.	
	H302 - □□□ □□□.	
	H315 - □□□ □□□ □□□.	
	H319 - □□ □□ □□□ □□□.	
	H335 - □□□ □□□ □□□ □ □□.	
□□ □□ □□(CLP)	: P220 - □□ □ □ □□ □□□□ □□□□□□.	
	P261 - □□·□·□□·□□□·□□·□□□□ □ □□□ □□□□.	
	P280 - □□□□, □□□, □□□, □□□□□ □(□) □□□□□.	
	P301+P312 - □□ □□: □□□□ □□□ □□ □□ □□ □□ □□ □(□) □□□□.	
	P302+P352 - □□□ □□□ □□□ □ □□□□□.	
	P305+P351+P338 - □□ □□□□: □ □□ □□ □□□□ □□□□. □□□□ □□□ □□□ □□□□□□. □□ □□□□.	

2.3. □□ □□

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

□□ 3: □□□□□ □□ □ □□□

3.1. □□□□

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□□	□□□□	%
STRONTIUM NITRATE ANHYDROUS	CAS □□: 10042-76-9 EC □□: 233-131-9	100

□□ 4: □□□□□□

4.1. □□□□ □□

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□□□ □□□□ □□ : □□□ □□□ □□ □□□□ □□□□□□. □□ □□ □□ □□□ □□□□: □□□□ □□/□□□ □□□□. Wash skin with plenty of water. □□□ □□□ □□□□.

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First-aid measures for first aider : □□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

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□ □□ □ □□/□□ : □□ □□ □□□ □□□. Eye irritation.

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4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

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

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5.1. □□□ □□□

- □□□ : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2). Water spray. Dry powder. Foam.
- □□□ : Do not use a heavy water stream.

5.2. □□□□□□□ □□□ □□ □□□□

- □□ : □□□ □□□□ □; □□□.
- □□ : 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. □□□ □□□□□. 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: "□□□□ □ □□□□□" □ □□□□□.
- □□ : Stop release. Evacuate unnecessary personnel.

6.2. □□□ □□□□ □□ □□□ □□□□

□□□□ □□□□ □□□.

6.3. □□ □□ □□ □□

- : Using a clean shovel, put the material in a dry container and cover without compressing it.
- □□ : Mechanically recover the product. Clear up rapidly by scoop or vacuum. □□□ □□□ □□ □□□□□ □□□ □□ □□□ □□.
- □□ □□□□ : 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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- □□ : □ □□□ □□□ □□□ □□□, □□□□ □□□□ □□□□. □□ □□□ □□ □□ (□) □□□ □□□□. □□ □ □ □□ □□□ □□□□□. Always wash hands after handling the product.

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7.2. □□□□ □□□□ □□□□ □□ □□ □□

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

□ □□:

Protective gloves

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□□□ □□:

Wear appropriate mask

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9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

- □□ : □□
- : White.
- : Crystalline powder.
- : 211.63 g/mol
- : Odourless.
- □□ : □□□□

STRONTIUM NITRATE ANHYDROUS EXTRA PURE

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□□□	: 570 °C
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□□ □□□□ □□□ □□	: 645 °C (Decomposes)
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□□ □□	: □□□□
pH	: 5 – 7
pH □□□ □□	: 5 %
□□(□□□)	: □□□□
□□□	: □: 660 g/l at 20 °C
	□□□: Very slightly soluble in ethanol
	□□□: Very slightly soluble in acetone
Partition coefficient n-octanol/water (Log Kow)	: □□□□
□□□	: □□□□
50°C □□□ □□□	: □□□□
□□	: 2.986 g/cm ³ at 20 °C
□□	: □□□□
20°C □□□ □□ □□ □□	: □□□□
Particle size	: □□□□

9.2. □ □□ □□□□

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□□ 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. □□□ □ □□

□□□□. Air contact. Moisture. Overheating. □□□ □□□ □□□ □□□□. □. □□, □□□, □□□□ □□ □□□□□□.

10.5. □□□ □ □□

Combustible materials.

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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□□ □□□ □□ □□□	: □□□ □□□ □□□.
	pH: 5 – 7
□□ □ □□ □□ □□□	: □□ □□ □□□ □□□.
	pH: 5 – 7

STRONTIUM NITRATE ANHYDROUS EXTRA PURE

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STRONTIUM NITRATE ANHYDROUS EXTRA PURE (10042-76-9)	
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11.2. □□ □□ □□

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□□ 12: □□□ □□□ □□

12.1. □□

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

12.2. □□□ □ □□□

STRONTIUM NITRATE ANHYDROUS EXTRA PURE (10042-76-9)	
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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.
□□/□□ □□ □□□□ : □□, □□, □□ □/□□ □□ □□□ □□ □□□□ □□ □□ □□□ □□ □□ □□□□ □□□□□□.
Disposal must be done according to official regulations.
□□ □□ : Do not re-use empty containers.

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

□□ 14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID □□ □□

14.1. UN □□ □□ ID □□

UN-□□(ADR) : UN 1507
UN-□□ (IMDG) : UN 1507
UN-□□(IATA) : UN 1507
UN-□□(ADN) : UN 1507
UN-□□(RID) : UN 1507

14.2. UN □□ □□□

□□ □□□ (ADR) : □□ □□□□
□□ □□□ (IMDG) : STRONTIUM NITRATE
□□ □□□ (IATA) : Strontium nitrate
□□ □□□ (ADN) : □□ □□□□
□□ □□□ (RID) : □□ □□□□
□□ □□ □□ (ADR) (ADR) : UN 1507 □□ □□□□, 5.1, III, (E)
□□ □□ □□ (IMDG) : UN 1507 STRONTIUM NITRATE, 5.1, III
□□ □□ □□ (IATA) : UN 1507 Strontium nitrate, 5.1, III
□□ □□ □□ (ADN) : UN 1507 □□ □□□□, 5.1, III
□□ □□ □□ (RID) : UN 1507 □□ □□□□, 5.1, III

14.3. □□□□□ □□□ □□

ADR

□□□□□ □□□ □□ (ADR) : 5.1
□□ □□ (ADR) : 5.1



IMDG

□□□□□ □□□ □□ (IMDG) : 5.1
□□ □□ (IMDG) : 5.1



IATA

□□□□□ □□□ □□ (IATA) : 5.1
□□ □□ (IATA) : 5.1



ADN

□□□□□ □□□ □□ (ADN) : 5.1
□□ □□ (ADN) : 5.1



RID

□□□□□ □□□ □□ (RID) : 5.1

STRONTIUM NITRATE ANHYDROUS EXTRA PURE

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□□ □□ (RID) : 5.1
:



14.4. □□□□

□□ □□ (ADR) : III
□□ □□(IMDG) : III
□□ □□ (IATA) : III
□□ □□(ADN) : III
□□ □□(RID) : III

14.5. □□ □□□□

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

14.6. □□□□ □□ □□ □□□□

□□ □□
□□ □□(ADR) : O2
□□□(ADR) : 5kg
□□□(ADR) : E1
□□ □□(ADR) : P002, IBC08, LP02, R001
□□ □□ (ADR) : B3
□□ □□ □□ □□ □□(ADR) : MP10
□□□□ □□ □□ □□□□ □□ (ADR) : T1
□□□□ □□ □□ □□□□ □□ □□ (ADR) : TP33
□□ □□(ADR) : SGAV
□□ □□ □□(ADR) : TU3
□□ □□□□ □□ : AT
□□ □□(ADR) : 3
□□ □□ □□ □□ - □□ □□(ADR) : VC1, VC2, AP6, AP7
□□ □□ □□ □□ -□□, □□ □□ □□(ADR) : CV24
□□ □□ □□(Kemler □□) : 50
Orange plates (□□□□□□) :



□□ □□ □□ (ADR) : E
EAC □□ : 1Z

□□ □□

□□ □□(IMDG) : 5 kg
□□□(IMDG) : E1
□□ □□ (IMDG) : P002, LP02
IBC □□ □□(IMDG) : IBC08
IBC □□ □□ (IMDG) : B3
□□ □□ (IMDG) : T1
□□ □□ □□ (IMDG) : TP33
□□ □□ (IMDG) : A
□□□□ □□□□ (IMDG) : Colourless solid. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Harmful if swallowed.
MFAG-□□ : 140

□□ □□

PCA □□ □□(IATA) : E1
PCA □□ □□(IATA) : Y546

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PCA □□ □□ □□ □□□(IATA) : 10kg
PCA □□ □□(IATA) : 559
PCA □□ □□□(IATA) : 25kg
CAO □□ □□(IATA) : 563
CAO □□ □□□(IATA) : 100kg
□□ □□(IATA) : A803
ERG □□(IATA) : 5L

□□ □□ □□
□□ □□(ADN) : O2
□□□(ADN) : 5 kg
□□□(ADN) : E1
□□□□(ADN) : B
□□ □□(ADN) : PP
□□ □□□(ADN) : LO04
□□ □□ □□(ADN) : CO02
□□ □□/□□□ □□(ADN) : 0
□□ □□/□□(ADN) : CO02 and LO04 apply only when this substance is carried in bulk or without packaging

□□ □□
□□ □□(RID) : O2
□□ □□(RID) : 5kg
□□□(RID) : E1
□□ □□ (RID) : P002, IBC08, LP02, R001
□□ □□ (RID) : B3
□□ □□ □□ □□ □□(RID) : MP10
□□ □□ □□ □□ □□ □□ □□ (RID) : T1
□□ □□ □□ □□ □□ □□ □□ □□ (RID) : TP33
RID □□ □□ □□ □□(RID) : SGAV
RID □□ □□ □□ □□(RID) : TU3
□□ □□(RID) : 3
□□ □□ □□ □□ - □□ □□(RID) : VC1, VC2, AP6, AP7
□□ □□ □□ □□ - □□, □□ □□ □□(RID) : CW24
□□ □□ □□ : CE11
□□ □□ □□ (RID) : 50

14.7. □□□□□□(IMO) □□ □□ □□ □□

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15.1. □□, □□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□ □□

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REACH □□ □□ □□ (SVHC)

REACH □□ □□ □□ □□ □□ □□ □□ □□

PIC □□ (□□□□□□)

PIC □□ □□ □□ □□ □□ (□□ EU 649/2012)

POP □□ (□□□□ □□ □□□□)

POP □□ □□ □□ □□ □□ (□□ EU 2019/1021)

Ozone Regulation (2024/590)

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

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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	□□□ □□
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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H302	□□□ □□□.
H315	□□□ □□□ □□□.
H319	□□ □□ □□□ □□□.
H335	□□□ □□□ □□□ □ □□.

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