

LEAD NITRATE AR/ACS

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SDS Reference Number: 04378

□□□□□: 4/9/2014 □□□□□: 1/13/2025 □□□□: 4/9/2015 □□: 1.0

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1.1. □□□□

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□□□	: LEAD NITRATE AR/ACS
EC □□ □□	: 082-001-00-6
EC □□	: 233-245-9
CAS □□	: 10099-74-8
□□ □□	: 04378
□□ □□	: Inorganic compound
□□□	: Pb(NO ₃) ₂
□□ □□	: $\left[\begin{array}{c} \text{O} \\ \parallel \\ \text{-O-N}^+ \text{-O}^- \end{array} \right]_2 \left[\text{Pb}^{2+} \right]$
□□□	: Lead (II) nitrate

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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

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]□ □□ □□

□□□ □□ □□ □□	H272
□□ □□ (□□), □□ 4	H302
□□ □□ (□□), □□ 4	H332
□□□□, □□ 1A	H360
□□□□□□ □□ - □□ □□, □□ 2	H373
□□□□ □□□ - □□, □□ 1	H410
□□(H) □□ □ EUH □□ □□: 16□ □□.	

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LEAD NITRATE AR/ACS

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

2.2. □□□□□□ □□ □□□□ □□

□□ (EC) No. 1272/2008 □□ □□ □□[CLP]

□□ □□ □□□□(CLP)

:



GHS03



GHS07



GHS08



GHS09

□□□ (CLP)

: □□

□□·□□ □□ (CLP)

: H272 - □□□ □□□□ □; □□□.

H302+H332 - □□□□ □□□□ □□□□□.

H360 - □□ □□ □□□□□ □□□ □□ □□.

H373 - □□□ □□ □□ □□□□ □□ □□□ □□□ □□□.

H410 - □□□ □□□ □□ □□□□□□ □□ □□□.

□□ □□ □□(CLP)

: P273 - □□□□ □□□□ □□□.

P301+P312 - □□ □□: □□□□ □□□ □□ □□ □□ □□ □□ □□ □□□.

P304+P340 - □□□□ □□□ □□□ □□ □□□ □□□ □□ □□□ □□□ □□□□.

P308+P313 - □□□□□ □□□ □□□ □□: □□□ □□·□□□ □□□□.

2.3. □□ □□

□ □□/□□□□ REACH □□, □□□ XIII □□ PBT □□(□) □□□□ □□

□ □□/□□□□ REACH □□, □□□ XIII □□ vPvB □□(□) □□□□ □□

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

□□
LEAD NITRATE (10099-74-8)
LEAD NITRATE (10099-74-8)

□ □□□ REACH □ 59(1) □□ □□ □□□ □□ □□□ □□□ □□□ □□ □□□, □□□ □□ □□ (EU) 2017/2100 □□ □□□ □□ (EU) 2018/605 □ □ □□ □□ □□ □□ □□ □□ □□ □□□□ □□□□□.

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3.1. □□□□

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□□	□□□□	%
LEAD NITRATE REACH □□□ □□□ □□ (Lead dinitrate)	CAS □□: 10099-74-8 EC □□: 233-245-9 EC □□ □□: 082-001-00-6	100

4: □□□□□□

4.1. □□□□ □□

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

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LEAD NITRATE AR/ACS

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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

4.2. □□ □ □□□ □□ □□□ □□ □ □□

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- □ □□/□□ : □□□□ □□□.
- □□ □ □□/□□ : None under normal conditions. Dust may cause irritation in skin folds or by contact in combination with tight clothing.
- □□ □ □□/□□ : None under normal conditions. Dust from this product may cause eye irritation.
- □ □□/□□ : □□□ □□□.
- □□ : □□ □□ □□□□□ □□□ □□□ □ □□.

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

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5.1. □□□ □□□

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

5.2. □□□□□□□ □□□ □□ □□□

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- □ □□□ □□□ □□ : 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.

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6.1. □□□ □□□□ □□ □□□ □□□□ □ □□□

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

6.2. □□□ □□□□ □□ □□□ □□□□

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6.3. □□ □□ □□ □□

- : □□□□ □□□□.
- □□ : Mechanically recover the product. Clear up rapidly by scoop or vacuum. □□□ □□□ □□ □□□□□ □□□ □□ □□□ □□.
- □□ □□□□ : Dispose of materials or solid residues at an authorized site.

LEAD NITRATE AR/ACS

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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.

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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8.1. □□ □□ □□

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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

□□□ □□
□□□ □□□:
Wear appropriate mask. [□□□□ □ □□ □□ □□] □□□ □□□□ □□□□□□.

LEAD NITRATE AR/ACS

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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□□ 9: □□□□□ □□

9.1. □□□□ □□□□□ □□□ □□ □□

□□□ □□	: □□
□□	: White.
□□	: Crystalline powder.
□□□	: 331.21 g/mol
□□	: Odourless.
□□ □□	: □□□□
□□□	: 470 °C (decomposes)
□□□	: □□□□
□□ □□□□ □□□ □□	: □□□□
□□□	: □□□
□□□	: The substance or mixture is classified as oxidizing with the subcategory 2.
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□□□□ □□	: □□□□
□□ □□	: □□□□
pH	: 3 – 4 at 25 °C
pH □□□□ □□	: 20 %
□□(□□□)	: □□□□
□□□	: □: 597 g/l at 25°C
Partition coefficient n-octanol/water (Log Kow)	: □□□□
□□□	: □□□□
50°C□□□□ □□□	: □□□□
□□	: 4.53 g/cm ³
□□	: □□□□
20°C□□□□ □□ □□ □□	: 11
Particle size	: □□□□

9.2. □ □□ □□□□

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□□ 10: □□□ □ □□□

10.1. □□□

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10.2. □□□ □□□

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10.3. □□ □□□ □□□

No dangerous reactions known under normal conditions of use.

10.4. □□□ □ □□

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

10.5. □□□ □ □□

Combustible materials.

10.6. □□□ □□□□ □□□□

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

LEAD NITRATE AR/ACS

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

□□ 11: □□□ □□ □□

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

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pH: 3 – 4 at 25 °C
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pH: 3 – 4 at 25 °C
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□□ □□ : There are potential chronic health effects to consider
□□ □□□□ : □□□□ □□

LEAD NITRATE AR/ACS (10099-74-8)	
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11.2. □□ □□ □□

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12.1. □□

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12.2. □□□ □ □□□

LEAD NITRATE AR/ACS (10099-74-8)	
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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

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	LEAD NITRATE (10099-74-8)
	LEAD NITRATE (10099-74-8)

12.6. □□□ □□ □□

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LEAD NITRATE AR/ACS

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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.

□□ 14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID □□ □□

14.1. UN □□ □□ ID □□

- UN-□□(ADR) : UN 1469
- UN-□□ (IMDG) : UN 1469
- UN-□□(IATA) : UN 1469
- UN-□□(ADN) : UN 1469
- UN-□□(RID) : UN 1469

14.2. UN □□ □□□

- □□□ (ADR) : □□ □
- □□□ (IMDG) : LEAD NITRATE
- □□□ (IATA) : Lead nitrate
- □□□ (ADN) : □□ □
- □□□ (RID) : □□ □
- □□ □□ (ADR) (ADR) : UN 1469 □□ □, 5.1 (6.1), II, (E), □□□ □□
- □□ □□ (IMDG) : UN 1469 LEAD NITRATE, 5.1 (6.1), II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
- □□ □□ (IATA) : UN 1469 Lead nitrate, 5.1 (6.1), II, ENVIRONMENTALLY HAZARDOUS
- □□ □□ (ADN) : UN 1469 □□ □, 5.1 (6.1), II, □□□ □□
- □□ □□ (RID) : UN 1469 □□ □, 5.1 (6.1), II, □□□ □□

14.3. □□□□□ □□□ □□

ADR

- □□□ □□ (ADR) : 5.1 (6.1)
- □□ (ADR) : 5.1, 6.1



IMDG

- □□□ □□ (IMDG) : 5.1 (6.1)
- □□ (IMDG) : 5.1, 6.1



IATA

- □□□ □□ (IATA) : 5.1 (6.1)
- □□ (IATA) : 5.1, 6.1

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878



ADN
 □□□□□ □□□ □□ (ADN)
 □□ □□ (ADN)

: 5.1 (6.1)
 : 5.1, 6.1
 :



RID
 □□□□□ □□□ □□ (RID)
 □□ □□ (RID)

: 5.1 (6.1)
 : 5.1, 6.1
 :



14.4. □□□□

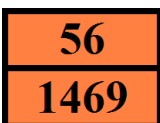
□□ □□ (ADR) : II
 □□ □□(IMDG) : II
 □□ □□ (IATA) : II
 □□ □□(ADN) : II
 □□ □□(RID) : II

14.5. □□ □□□

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

14.6. □□□□ □□ □□ □□□□

□□ □□ :
 □□ □□(ADR) : OT2
 □□□(ADR) : 1kg
 □□□(ADR) : E2
 □□ □□(ADR) : P002, IBC08
 □□ □□ (ADR) : B4
 □□ □□ □□ □□ □□(ADR) : MP2
 □□□ □□ □□ □□□□ □□ (ADR) : T3
 □□□ □□ □□ □□□□ □□ □□ (ADR) : TP33
 □□ □□(ADR) : SGAN
 □□ □□ □□(ADR) : TU3
 □□ □□□□ □□ : AT
 □□ □□(ADR) : 2
 □□ □□ □□ □□ - □□(ADR) : V11
 □□ □□ □□ □□ - □□, □□ □□ □□(ADR) : CV24, CV28
 □□ □□ □□(Kemler □□) : 56
 Orange plates (□□□□□□) :



□□ □□ □□ (ADR) : E
 EAC □□ : 1Y

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□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

□□ □□

- □□(IMDG) : 1 kg
 - (IMDG) : E2
 - □□ (IMDG) : P002
 - IBC □□ □□(IMDG) : IBC08
 - IBC □□ □□ (IMDG) : B21, B4
 - □□ (IMDG) : T3
 - □□ □□ (IMDG) : TP33
 - □□ (IMDG) : A
 - (IMDG) : SGG7, SGG9
 - □□□□ (IMDG) : White crystals. Soluble in water. Mixtures with combustible material are readily ignited and may burn fiercely. Toxic if swallowed, by skin contact or by dust inhalation.
- MFAG-□□ : 141

□□ □□

- PCA □□ □□(IATA) : E2
- PCA □□ □□(IATA) : Y543
- PCA □□ □□ □□ □□□(IATA) : 1kg
- PCA □□ □□(IATA) : 558
- PCA □□ □□□(IATA) : 5kg
- CAO □□ □□(IATA) : 562
- CAO □□ □□□(IATA) : 25kg
- ERG □□(IATA) : 5P

□□ □□ □□

- □□(ADN) : OT2
- □□(ADN) : 802
- (ADN) : 1 kg
- (ADN) : E2
- □□(ADN) : PP, EP
- □□/□□□ □□(ADN) : 2

□□ □□

- □□(RID) : OT2
- □□(RID) : 1kg
- (RID) : E2
- □□ (RID) : P002, IBC08
- □□ (RID) : B4
- □□ □□ □□ □□(RID) : MP2
- □□ □ □□ □□□□ □□ (RID) : T3
- □□ □ □□ □□□□ □□ □□ (RID) : TP33
- RID □□□ □□ □□(RID) : SGAN
- RID □□□ □□ □□(RID) : TU3
- □□(RID) : 2
- □□ □□ □□ - □□(RID) : W11
- □□ □□ □□ -□□, □□ □ □□(RID) : CW24, CW28
- □□□ : CE10
- □□ □□ (RID) : 56

14.7. □□□□□□(IMO) □□ □□ □□ □□

□□□□

□□ 15: □□ □□□□

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

EU □□

REACH □□□ XVII(□□ □□)

REACH □□□ XVII □□ □□

LEAD NITRATE AR/ACS

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REACH □□□ XIV (□□ □□)

REACH □□□ XIV (□□ □□)□ □□ □ □

REACH □□ □□ □□ (SVHC)

REACH □□ □□ □□□: Lead dinitrate

REACH □□ □□ □□ □□ □□ □ □

PIC □□ (□□□□□□)

PIC □□□ □□□(□□ EU 649/2012) lead dinitrate

POP □□ (□□□ □□ □□□□)

POP □□□ □□ □ □(□□ EU 2019/1021)

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) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

□□ □□□□ □□ (2019/1148)

□□□ □□□□ □□(□□ □□□□□ □□ □ □□□ □□ □□ EU 2019/1148)□ □□□ □□ □□ □ □

□□ □□□□ □□ (273/2004)

□□ □□□□ □□□ □□□ □□ □ □(□□ □ □□□□ □□□ □□ □□□ □□ □□□ □□ □ □□□ □□ □□ EC 273/2004)

□□ □□

□□

VOC ordinance (ChemVOCFarbV)

:

WGK

: WGK 3, □□ □□ □□□ (Classification according to AwSV).

□□□□ □□ □□ (ChemVerbotsV)

: This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10).

□□ □□ □□(12. BImSchV)

: □□ □□ □□(12. BImSchV)□ □□ □□ □□

□□□□

SZW-lijst van kankerverwekkende stoffen

: □□□ □□

SZW-lijst van mutagene stoffen

: □□□ □□

SZW-lijst van reprotoxische stoffen – Borstvoeding

: □□□ □□

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid

: LEAD NITRATE□(□) □□□ □□□□□

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: LEAD NITRATE□(□) □□□ □□□□□

□□□

□□□ □□ □□

: 18□ □□ □□□ □□ □□□ □□□□□

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15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

□□ □ □□□□:

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

LEAD NITRATE AR/ACS

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□□ □ □□□□:	
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
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

LEAD NITRATE AR/ACS

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□□ □ □□□□:	
TWA	Time Weighted Average
COV	Volatile Organic Compounds
vPvB	Very Persistent and Very Bioaccumulative
UFI	□□ □□ □□□

□H□ □ EUH□ □□:	
□□ □□ 4 (□□)	□□ □□ (□□), □□ 4
□□ □□ 4 (□□)	□□ □□ (□□), □□ 4
□□ □□□□ 1	□□□□ □□□ - □□, □□ 1
□□□ □□ 2	□□□ □□ □□ □□
□□□□ 1A	□□□□, □□ 1A
□□ □□□□ □□ (□□ □□) 2	□□□□□□ □□ - □□ □□, □□ 2
H272	□□□ □□□□ □; □□□.
H302	□□□ □□□.
H332	□□□□ □□□.
H360	□□ □□ □□□□□ □□□ □□□ □ □□.
H373	□□□ □□ □□ □□□□ □□□ □□□ □ □□.
H410	□□□ □□□ □□ □□□□□□ □□ □□□.

□□□□□□□□(SDS), EU

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