

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)****CEROUS NITRATE AR****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : CEROUS NITRATE AR  
Product code : C0062900100  
Identification of the product : CEROUS NITRATE AR 99.9%  
CAS No : 10294-41-4

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet**

Company identification : SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

**1.4. Emergency telephone number**

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

**2. Hazards identification -DSD****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Classification : C; R34  
Xi; R36/37/38-41

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Not classified.

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

Symbol(s)



**MATERIAL SAFETY DATA SHEET (MSDS)**
**CEROUS NITRATE AR**
**2. Hazards identification -DSD (continued)**

<b>Symbol(s)</b>	: O : Oxidizing Xi : Irritant
<b>R Phrase(s)</b>	:  R34 : Causes burns. R36/37/38 : Irritating to eyes, respiratory system and skin. R41 : Risk of serious damage to eyes.
<b>S Phrase(s)</b>	: S17 : Keep away from combustible material. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 : Wear eye/face protection.

**Labelling Regulation EC 1272/2008 (CLP)**

Not classified.

**Hazard pictograms**

**2.3. Other hazards**

<b>Other hazards</b>	: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
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**3. Composition/information on ingredients**

<b>Substance / Preparation</b>	: CEROUS NITRATE AR 99.9% CAS No :10294-41-4 Substance.
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Contains no other components or impurities which will influence the classification of the product.

**4. First aid measures**
**4.1. Description of first aid measures**

<b>Inhalation</b>	: Assure fresh air breathing. Allow the victim to rest.
<b>Skin contact</b>	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
<b>Eye contact</b>	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
<b>Ingestion</b>	: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

**4.2. Most important symptoms and effects, both acute and delayed**

## MATERIAL SAFETY DATA SHEET (MSDS)

### CEROUS NITRATE AR

#### 4. First aid measures (continued)

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

#### 4.3. Indication of any immediate medical attention and special treatment needed

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### 5. Fire-fighting measures

##### 5.1. Extinguishing media

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

##### 5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

##### 5.3. Advice for fire-fighters

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

#### 6. Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

**For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

##### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

##### 6.3. Methods and material for containment and cleaning up

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust.  
Store away from other materials.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CEROUS NITRATE AR**
**6. Accidental release measures (continued)**
**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

**Specific end use(s)** : None.

**8. Exposure controls/personal protection**
**8.1. Exposure controls**

**Personal protection** : Avoid all unnecessary exposure.

- **Respiratory protection** : Wear approved mask.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

**8.2. Control parameters**

**Occupational Exposure Limits** : No data available.

**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CEROUS NITRATE AR**
**9. Physical and chemical properties (continued)**

Physical state at 20 °C	: Solid.
Colour	: Colorless to pale yellow
Odour	: N/A
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 65 °C
Decomposition point [°C]	: >200°C
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: N/A
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: 15
Density [g/cm <sup>3</sup> ]	: 1,67
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 1754 g/L (25°C)
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

**9.2. Other information**

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity.**

Reactivity	: Not established.
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**MATERIAL SAFETY DATA SHEET (MSDS)**
**CEROUS NITRATE AR**
**10. Stability and reactivity (continued)**
**10.2. Chemical stability**

**Chemical stability** : Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions** : Not established.

**10.4. Conditions to avoid**

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

**10.5. Incompatible materials**

**Materials to avoid** : Strong acids. Strong bases.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

**11. Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

- **Inhalation** : Based on available data, the classification criteria are not met.
- **Dermal** : Based on available data, the classification criteria are not met.
- **Ingestion** : Based on available data, the classification criteria are not met.

**Corrosion** : Based on available data, the classification criteria are not met.

**Irritation** : Based on available data, the classification criteria are not met.

**Sensitization** : Based on available data, the classification criteria are not met.

**Mutagenicity** : Based on available data, the classification criteria are not met.

**Carcinogenicity** : Based on available data, the classification criteria are not met.

**Toxic for reproduction** : Based on available data, the classification criteria are not met.

**STOT-single exposure** : Based on available data, the classification criteria are not met.

**STOT-repeated exposure** : Based on available data, the classification criteria are not met.

**Aspiration hazard** : Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

**MATERIAL SAFETY DATA SHEET (MSDS)**
**CEROUS NITRATE AR**
**12. Ecological information (continued)**

**Toxicity information** : Not established.

**12.2. Persistence - degradability**

**Persistence - degradability** : Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

**12.4. Mobility in soil**

**Mobility in soil** : Not established.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

**13. Disposal considerations**
**13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

**14. Transport information**
**14.1. Land transport (ADR-RID)**

**Proper shipping name** : NITRATES, INORGANIC, N.O.S.  
**UN N°** : 1477  
**H.I. nr** : 50  
**ADR - Class** : 5.1  
**Labelling - Transport** : 5.1 : Oxidizing substances.



### MATERIAL SAFETY DATA SHEET (MSDS)

### CEROUS NITRATE AR

#### 14. Transport information (continued)

ADR - Classification code	: O2 O2
ADR - Group	: II
ADR - Packing instructions	: P002
ADR - Limited Quantity	: 1 KG
ADR - Tunnel code	: E : Passage forbidden through tunnels of category E.



#### 14.2. Sea transport (IMDG) [English only]

Proper shipping name	: NITRATES, INORGANIC, N.O.S.
UN N°	: 1477
IMO-IMDG - Class or division	: 5.1 : Oxidizing substances.
IMO-IMDG - Packing group	: II
IMO-IMDG - Packing instructions	: P002
IMO-IMDG - Limited quantities	: 1 kg
IMO-IMDG - Marine pollution	: No
EMS-Nr	: F-A S-Q

#### 14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name	: NITRATES, INORGANIC, N.O.S.
UN N°	: 1477
IATA - Class or division	: 5.1 : Oxidizing substances.
IATA - Packing group	: II
IATA - Passenger and Cargo Aircraft	: ALLOWED
- Passenger and Cargo - Packing instruction	: 558
- Passenger and Cargo - Maximum Quantity/Packing	: 5 kg
IATA - Cargo only	: ALLOWED
- Cargo only - Packing instruction	: 562
- Cargo only - Maximum Quantity/Packing	: 25 kg
IATA - Limited Quantities	: 2.5 kg
ERG-Nr	: 5L



**MATERIAL SAFETY DATA SHEET (MSDS)**

**CEROUS NITRATE AR**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

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