



AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

SAFETY DATA SHEET

Revision date 18Jan-2024

Revision Number 1

1. Identification

Chemical name: 2-hydroxy propanoic acid calcium
Chemical formula: $(\text{CH}_3\text{CHOHCOO})_2\text{Ca}\cdot 5\text{H}_2\text{O}$
CAS number: 814-80-02
Company information: as above
Commercial name: Calcium lactate
Industry Field: Food Industry & Pharmaceuticals Industry

Details of the supplier of the safety data sheet

supplier

AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.
ADD: NO. 27 , CBD BUSINESS INNER RING ROAD , ZHENGDONG NEW DISTRICT, ZHENGZHOU ,CHINA
TEL: 0086-371-63229216
FAX: 0086-371-63229216

Emergency telephone number

Emergency Telephone

For Hazardous Materials or Dangerous Goods Incident

Spill, Leak, Fire Exposure, or

Accident Call CHEMTREC:

0086-371-63229216

2. Component Identification

This product is considered safe and nontoxic, and does not contain any hazardous component.

Ingredient: calcium lactate pentahydrate



SAFETY DATA SHEET

TRC-S834315-700MG - Sodium 2-Nitrophenolate

Revision date 18-Jan-2024

3. Danger Level

Main danger: no danger

Eye contact : excess power may induce discomfort of eye .

4. First Aid Measure

Inhalation: If inhaled ,remove to fresh air.If not breathing, give artificial respiration . If breathing is difficult, give oxygen. Get medical attention .

Skin Contact: Clean skin with mild soapy water.

Eye contact: Immediately flush with plenty of water and wash the eyelid.

Ingestion: Drink plenty of water.

5. Fire Protection Measure

Flammable level : nonflammable

Extinguishing Media: all of the extinguishing media can be used.

Can not use the fire extinguishing media: No

Special contact danger: when heat to high temperature, it can be decomposed to carbon monoxide and carbon dioxide.

Fire control guidance: wear suitable fire fighting equipment.

Special procedure: None

6. Accidental Release Measures

Technical measures: use good equipment to prevent dust.

Personnel protection:

Equipment cleaner should wear suitable protective measure.

Environment protection:

Prevent from leak, far away from sewer or public water supply.

Overflowing or leakage: Clean the leakage and collect it to the appropriate container, wash the residue.



SAFETY DATA SHEET

TRC-S834315-700MG - Sodium 2-Nitrophenolate

Revision date 18-Jan-2024

7. Handling and Storage

General principles: Reduce dust production as much as possible.

Protection Measures Guidance: In normal operating condition, it does not need any special protection measure guidance.

Storage: Close the storage container after using. Storage in dry and cool place.

Expire date: 2 years.

Transportation: Abide the standard of industrial hygiene and operation.

8. Contact Control/Personal Protective Measures

Personal protection-respiratory protection: Prevent from excess dust production Eye protection: Don't need special protection

Industrial Hygiene

Equip with air exhausting device in order to reduce the dust production as much as possible. Operation is based on the industrial hygiene standards and safety operation rule.

9. Physicochemical Property

Physical state: powder or particle Color: white

Odour: odourless or slightly efforescent pH: 6-8(5% solution)

Melting point(°C): 170°C

Volume density(kg/m³): 300-500

Solubility in water: 9g/100ml(25°C)

Flash point(°C): not available Explosion rank: ST1

The maximum pressure growth rate: 105bar/s

The maximum explosion over pressure: 5.1bar

The minimum heat of combustion: 8100mJ

The minimum temperature of combustion: 610°C Dust explosion constant: 29 bar.m/s



SAFETY DATA SHEET

TRC-S834315-700MG - Sodium 2-Nitrophenolate

Revision date 18-Jan-2024

10. Stability and Reactivity

Fatalness: Avoid contact strong oxidant

Dangerous products after decomposes: Release carbon monoxide and carbon dioxide after pyrolysis.

11. Toxicity Data

Toxicity data: no toxicity LD50(Rat IV, mg/kg):140

Others: Non-carcinogenic

12. Ecological Information

Ecological impact data: Neutral product

Biodegradability: This product is biodegradable.

The danger of bio-accumulation: No

13. Wast Disposal

Waste disposal: wastes are handled in a safe manner and conform to all applicable national and local legal requirements. Posal program must be carefully cleaned with plenty of water, and can be reused as any other containers after being completely emptied and completely cleaned.

14. Transportation Information

General information: no limit



SAFETY DATA SHEET

TRC-S834315-700MG - Sodium 2-Nitrophenolate

Revision date 18-Jan-2024

15. Applicable Laws and Regulations

According to the provisions of the European Economic Community Label /Symbol(s): No.

The classification of hazardous substances/RPhrase(s):No. The classification of material safety/SPphrase(s):No.

Including the European economic community recognized as food additives, number E327

16. Other Information

Further information: The specification and technical information of this product can be get from distributors or Sales and Marketing Department of Luoyang Longmen Pharmaceutical Co., LTD. The content and format of this product's safety technical specification conform to the EEC Committee directive 2001/58/EC.

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Disclaimer: The content of this product's safety technical specification has been taken from other sources we consider to be reliable. However, the information provided by the company does not provide any warranty, representation and implied. For the operation, storage, use and disposal of this product, the methods and the environment in which the product has been used are beyond the scope of the company's cognition. Based on this reason and other not listed reasons, the company accepts no responsibility for any loss, damages and rising costs caused by operation.

End of Safety Data Sheet