

HENAN TECHWAY CHEMICAL COMPANY LIMITED

河南省德威化工有限公司

Room: 618, Tianhong Building, No.27 Shunhe Road, Zhengzhou,450004,China

Tel: +86 371 66380080 Fax: +86 371 66380070

Email: sales@techwaychem.com www.techwaychem.com

MATERIAL SAFETY DATA SHEET

--Calcium Lactate

Ref: MSDSHTW-CAL203

Section 1-name of the substance/preparation and the company undertaking:

1.1 Name of the substance or preparation

Calcium Lactate, pentahydrate

1.2 Use of the substance/preparation

Mineral supplement, buffer, dough conditioner, yeast food, specialty chemical.

1.3 Company/undertaking Identification

Henan Techway Chemical Co.,Ltd.

No. 27 Shunhe Road, Zhengzhou, 450004, Henan, China.

Tel: +86-371 6638 0080 Fax: +86-371 6638 0070

1.4 Emergency telephone: +86-371 6638 0080

Section 2-Composition/Information on Ingredients

Chemical Nature of the preparation

Lactic Acid solid adduct with Calcium Lactate and(silicon dioxide).

Components

Chemical Name	CAS#	Percent(%)	EINECS/ELINCS
Calcium Lactate	814-80-2	98-103	212-406-7
Water(moisture)		Balance	

Section 3-Hazards Identification

Hazard Classification the product contains no substances which at their given concentration are considered to be hazardous to health.

Most important hazards Health injuries are not known or expected under normal use.

Section 4-First Aid Measures

General Advice

Show this safety data sheet to the doctor in attendance.

Inhalation

Immediate medical attention is not required. Move to fresh air.

Skin contact

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Immediate medical attention is not required, Wash off immediately with water.

Eye contact

Rinse immediately with plenty of water, also under the eyelids.

Ingestion

Drink plenty of water.

Major effects of exposure

May Cause eye irritation with susceptible persons. May cause irritation of respiratory tract.

Protection of first-aiders

No Hazards which require special first aid measure.

Section 5-Fire-fighting Measures

Suitable extinguishing media

Water, carbon dioxide(CO₂),foam.

Extinguishing media which must not be used for safety reasons

None.

Specific Hazards

None

Special Protective equipment for firefighters

None

Specific methods

Standard procedure for chemical fires.

Section 6-Accidental Release measures

Personal Precautions

Use personal protective equipment.

Avoid contact with skin and eyes.

Environmental precautions

Prevent further leakage or spillage. No special environmental precautions required.

Methods for cleaning up

Pick up and transfer to properly labeled containers.

After cleaning, flush away traces with water.

Section 7-handling and Storage

Handling

Technical measures/precautions

No Special technical protective measures required.

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Safe handling advice

Handle in accordance with good industrial hygiene and safety practice.

Storage

Technical measures/storage conditions

Keep container tightly closed; keep in dry place.

Incompatible products

No data available.

Packing Material

Plastic, paper, fiber drums or boxes.

Section 8- Exposure controls/Personal Protection

Engineering measures to reduce exposure

Ensure adequate ventilation, especially in confined areas.

Control Parameters

None.

Personal protection equipment

Respiratory protection Effective dust mask.

Hand protection none.

Eye protection Safety glasses.

Skin and body protection None.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

Section 9-Physical and chemical Properties

Form Powder/agglomerate/granular

Colour white

Odour slight/none

PH 6.0-8.0(5% aqueous solution)

Melting point/range >200℃

Decomposition temperature >200℃

Flash point not applicable

Explosion limits of the Pentahydrate

Max. Explosion overpressure: 5.1bar Min. Ignition energy: >8700mJ

Max. pressure increase rate : 105 bar/s Min. Ignition temperature: 610℃

Explosion Class : ST 1 Dust explosion Constant: 29bar.m/s

Bulk Density:

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300-450kg/m³ for calcium lactate excellent grade(high-flowing granular form: 600-800kg/m³for calcium lactate food grade and feed grade(powder form)

Solubility water solubility: 7-9g/100gwather@25°C

Section 10-Stability and Reactivity

Stability

Stable at normal conditions. Hazardous polymerization does not occur.

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

Section 11-Toxicological information

Acute toxicity

Health injuries are not known or expected under normal use.

LDLo: 140mg/kg(ivn-mus)

Long term toxicity

Did not show carcinogenic effects in animal experiments. Based on tests with L-Lactic and its salts, there is no evidence to suggest carcinogenic nor mutagenic properties from lactic acid itself nor from the lactate portion of its salts.

Section 12-Ecological information

Mobility

Completely soluble.

Persistence/degradability

Product is a salt of lactic acid which is readily biodegradable.

Bioaccumulation

None.

Ecotoxicity

Ecological injuries are not know or expected under normal use.

Section 13-Disposal Considerations

Waste from residues/unused products

Can be disposed as waste water, when in compliance with local regulations.

Can be landfilled or incinerated, when in compliance with local regulations.

Contaminated packaging

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Clean container with water.

Empty containers should be taken for local recycling, recovery or waste disposal.

Further information

According to the European Waste catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

Section 14- Transport Information

Not classified as dangerous in the meaning of transport regulations.

Section 15-Regulatory Information

The product does not need to be labeled in accordance with EC directives 1999/45/EC or respective national laws.

EC Food additive : E327 USD FDA/GRAS Status.

German Water Hazard Class (WGK): 1

Section 16-other information

The Information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assure no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular proposes. In no event shall Henan Techway Chemical Co.,Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Henan Techway Chemical Co.,Ltd has been advised of the possibility of such damages.