



Material Safety Data Sheet

Calcium Formate

Section I. Chemical Product and Company Identification

Synonyms: Formic acid, calcium salt; calcium diformate

CAS No.: 544-17-2

Molecular Weight: 130.11

Chemical Formula: (HCOO)₂Ca

Supplier: KIMA CHEMICAL CO.,LTD
Add:Zhangdian,Zibo,Shandong,255000,China
Tel: +86-533-6281218

Section II. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Calcium Formate	544-17-2	98% min

Section III. Hazards Identification

Not Hazardous
Contact could irritate eyes.
Fire could produce irritating gases.

Section IV. First Aid Measures

Inhalation:

None required at normal temperature. In case of fumes produced during burning, remove person to fresh air.

Ingestion:

Unlikely route of exposure.

Skin Contact:

None likely to be required.

Eye Contact:

Flush eyes with water. Hold eyelids open while washing.

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Section V. Fire Fighting Measures

Unusual Fire and Explosion Hazardous:

May produce irritating vapours, smoke and toxic decomposition products.

Foam can emit combustible gases making flashback possible.

Fire Extinguishing Media:

Water (Spray or Fog), Foam, Dry Chemical.

Use self-contained breathing apparatus.

Guard against smoldering re-ignition.

Recommend that material be divided into small enough pieces for complete cooling.

Conditions of Flammability:

Can be made to burn if in persistent contact with source of ignition.

EG. Open Flame.

Section VI. Accidental Release Measures

Breathing apparatus for fire only.

Dilute (substance may be washed to drain with a lot of water).

Restrict access to area.

Remove sources of heat and flame.

Spill or leak:

Collect material for re-use or disposal.

Section VII. Handling and Storage

Store in dry ventilated area.

Section VIII. Exposure Controls/Personal Protection

Occupational Exposure Limits:

Not established.

Controls:

The control measures appropriate for a particular worksite depend on how this material is used and on the extent of exposure.

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of substance release.

Use a non-sparking, grounded ventilation system separate from other exhaust ventilation systems. Exhaust directly to the outside.

Supply sufficient replacement air to make up for air removed.

Have a safety shower/eye wash fountain readily available in the immediate work area.

Personal Protection:

If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment.

Respiratory Protection: If process creates dust or fumes, wear NIOSH approved respirator.

Protective gloves: Not required.



Eye protection: Safety Goggles if processing.

Section IX Physical and Chemical Properties

White powder
Completely soluble in water.
Insoluble in alcohol.
Melting point > 300 deg°C

Section X. Stability and Reactivity

Incompatibilities:
None

Conditions to Avoid:
All sources of ignition.

Other:
Stable.

Section XI. Toxicological Information

Effects of Acute Exposure:
Not harmful at room temperature
However, vapours produced during strong heating or burning,
may produce acute effects, especially irritation of eyes, nose and throat.

Effects of Chronic Exposure:
No evidence that this product is a mutagen, carcinogen or teratogen.

Section XII. Ecological Information

No ecological problems are expected when the product is handled and used with due care.

Section XIII. Disposal Considerations

Disposal Method Product

There are no uniform EC regulations for the disposal of chemicals or residues.
The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations.
Observe prevailing regulations and incinerate or deposit in land fill.

Disposal Method Packaging

Disposal in accordance with local legal provisions.

Section XIV. Transport Information

US DOT & CANADA TDG SURFACE

Valuation.....: Not regulated for transport

Transport by sea IMDG-Code

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Valuation.....: Not regulated for transport

Air transport ICAO-TI/IATA-DGR

Valuation.....: Not regulated for transport

Section XV. Regulatory Information

EEC Hazard Classification:

Not available.

Risk Phases:

None.

Safety Phases:

None.

Section XVI. Other Information

This 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 assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Epoch 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 Epoch has been advised of the possibility of such damages.
