



Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

MSDS Name:	Calcium folinate		
Synonyms:	5-Formyl-5,6,7,8-tetrahydrofolic acid calcium salt		
Company Identification:	PI Chemicals Ltd.		
	Room 6-306, Building 2		
	1341 Pudong South Road		
	Pudong New Area, Shanghai 200212, China		
Telephone Number:	86-21-51389368		
Fax Number:	86-21-51389367		
Emergency Number:	86-21-51389369		

Section 2 – Product Information

Catalog Number:	PI-12413
CAS #:	1492-18-8
MDL #:	Not availabe
EC#:	216-082-8
Purity:	99.6%

Section 3 – Physical and Chemical Properties

Crystalline powder
Pale yellow
Not available
$C_{20}H_{21}CaN_7O_7$
511.5
Not available
Not available
Not available
Not available
240-250 deg C
Not available
Not available
Not available
Not available

Section 4 – Hazards Identification



Eye:Causes eye irritation.Skin:Causes skin irritation. Harmful if absorbed through the skin.Ingestion:May cause irritation of the digestive tract. Toxic if swallowed.Inhalation:May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 – First Aid Measures

- Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
 Skin: Get medical aid. Flush skin with plenty of water and soap for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops and persists.
 Ingestion: Get medical aid immediately. Wash mouth out with water.
 Inbalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial
- **Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 6 – Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Materials to avoid:	Strong oxidizing agents.
Conditions to Avoid:	Incompatible materials.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, nitrogen oxides.
Hazardous Polymerization:	Will not occur.

Section 7 – Handling and Storage

- **Handling:** Avoid breathing dust, vapor, mist, or gas. Keep container tightly closed. Avoid contact with skin and eyes. Wash thoroughly after handling. Mechanical exhaust required.
- **Storage:** Store in a cool, dry place. Store in a tightly closed container.

Section 8 – Personal Protection

- Eyes:Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's
eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- **Skin:** Wear appropriate protective gloves to prevent skin exposure.
- **Clothing:** Wear appropriate protective clothing to prevent skin exposure.
- **Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 – Fire and Explosion Hazard Data



General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 – Accidental Release Measures

General Information:Use proper personal protective equipment as indicated in Section 8.Spills/Leaks:Vacuum or sweep up material and place into a suitable disposal container.

Section 11 – Toxicological Information

RTECS#:	CAS#1492-18-8: MA0600500
LD50/LC50:	RTECS: CAS#1492-18-8:
	LD50
	Oral
	Rat
	> 8000 mg/kg;
	LD50
	Intraperitoneal
	Rat
	1063 mg/kg;
	LD50
	Oral
	Mouse
	> 7000 mg/kg;
	LD50
	Intraperitoneal
	Mouse
	1036 mg/kg;
	LD50
	Intravenous
	Mouse
	732 mg/kg.
Carcinogenicity	Calcium folinate - Not listed as a carcino

Carcinogenicity: Calcium folinate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Section 12 – Environmental information

Not available

Section 13 – Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an



afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 – Transport Information

- **IATA:** This substance is considered to be non-hazardous for transport.
- **IMO:** This substance is considered to be non-hazardous for transport.
- **RID/ADR:** This substance is considered to be non-hazardous for transport.

Section 15 – Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Indication of Danger: Irritant

Risk Phrases:

R 22: Harmful if swallowed.

R 36/37/38: Irritating to eyes, respiratory system and skin.

R 42: May cause sensitization by inhalation.

R 43: May cause sensitization by skin contact.

Safety Phrases:

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36: Wear suitable protective clothing.

WGK (Water Danger/Protection)

CAS#1492-18-8: 2

Canada

CAS#1492-18-8: Not available

US Federal

TSCA

CAS# 1492-18-8 is not listed on the TSCA Inventory. It is for research and development use only.

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