

Section 1. Product and Company Identification

Product Name Folinic Acid
CAS Number 58-05-9

Parchem - fine & specialty chemicals
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Section 2. Hazards Identification

Classification of the substance or mixture

Skin corrosion/irritation - Category 2
Serious eye damage/eye irritation - Category 2A
Respiratory sensitization - Category 1
Skin sensitization - Category 1
Specific target organ toxicity (single exposure) - Category 3

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard Statements

Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
May cause respiratory irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
In case of inadequate ventilation wear respiratory protection
Contaminated work clothing should not be allowed out of the workplace



Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of soap and water

Take off contaminated clothing and wash before reuse

If skin irritation or rash occurs: Get medical advice/attention

If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC): Not applicable

Other Information

Unknown acute toxicity: 100% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3. Composition / Information on Ingredients

Common Name Folinic Acid

Formula $C_{20}H_{23}N_7O_7$

CAS Number 58-05-9

COMPONENT	CAS NUMBER	CONCENTRATION
Folinic Acid	58-05-9	> 98%

Section 4. First Aid Measures

First-Aid Measures

General advice: Consult a physician if necessary. Remove to fresh air.

Eye contact: Wash with plenty of water.

Skin Contact: Wash skin with soap and water.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration

Ingestion: Never give anything by mouth to an unconscious person. Clean mouth with water.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.



Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically

Section 5. Firefighting Measures

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None.

Specific hazards arising from the chemical: No information available.

Hazardous combustion products: Carbon oxides. Nitrogen oxides (NO_x).

Explosion data

Sensitivity to Mechanical Impact: No information available.

Sensitivity to Static Discharge: No information available.

Protective equipment and precautions for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures

Personal precautions: Ensure adequate ventilation, especially in confined areas.

Environmental precautions: See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

Section 7. Handling and Storage

Precautions for safe handling

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool, and well-ventilated place. Store at 4°C.

Incompatible materials: None known based on information supplied.

Section 8. Exposure Controls / Personal Protection

Control parameters

Exposure Guidelines: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Controls: Showers; Eyewash stations; Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Physical State: Solid

Appearance: No information available

Odor: Odorless

pH: No information available

Melting/Freezing Point: 240°C

Boiling point: No information available

Flash Point: No information available

Density: 1.69 g/cm³

Evaporation Rate: No information available

Upper Flammability Limits: No information available

Lower Flammability Limits: No information available

Vapor Pressure: No information available

Vapor Density: No information available

Specific Gravity: No information available

Water Solubility: No information available

Solubility in Other Solvents: No information available

Partition coefficient: -2.91

Auto-ignition Temperature: No information available

Decomposition Temperature: No information available

Kinematic viscosity: No information available

Explosive properties: No information available

Oxidizing Properties: No information available



Section 10. Stability and Reactivity

Reactivity: Not applicable

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Hazardous Polymerization: No information available.

Conditions to avoid: Extremes of temperature and direct sunlight.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon oxides. Nitrogen oxides (NO_x).

Section 11. Toxicological Information

Information on likely routes of exposure

Inhalation: No data available.

Eye contact: No data available.

Skin Contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity: No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity: 100% of the mixture consists of ingredient(s) of unknown toxicity

Section 12. Ecological Information

Ecotoxicity: May cause long lasting harmful effects to aquatic life

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.



Section 14. Transport Information

DOT: Not regulated
IMDG: Not regulated
IATA: Not regulated

Section 15. Regulatory Information

International Inventories

All of the components in the product are on the following Inventory lists

Europe (EINECS/ELINCS/NLP)

United States Toxic Substances Control Act Section 8(b) Inventory (TSCA): -

Canadian Domestic Substances List (DSL): -

Canadian Non-Domestic Substances List (NDSL): -

European Inventory of Existing Chemical Substances (EINECS): Listed

European List of Notified Chemical Substances (ELINCS): -

Japan Existing and New Chemical Substances (ENCS): -

China Inventory of Existing Chemical Substances (IECSC): -

Korean Existing and Evaluated Chemical Substances (KECL): -

Philippines Inventory of Chemicals and Chemical Substances (PICCS): -

AICS: -

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden release of pressure hazard: No

Reactive hazard: No

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: This product does not contain any substances regulated by state right-to-know regulations.



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 11/8/2017

