



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025
Date of printing :03/25/2025

SECTION 1. IDENTIFICATION

Identification of the company:	Silver Fern Chemical, Inc. 121 W De La Guerra St STE B Santa Barbara, CA 93101 Phone: 1-866-282-3384 Info@silverfernchemical.com
Emergency tel. number:	24 Hour Emergency Contact Infotrac 1-800-535-5053 (USA & Canada) Outside USA & Canada 1-352-323-3500

Trade name: Fernfax GP900

Primary product use: Specialty Chemical

Chemical family: Surfactant Blend

SECTION 2. HAZARDS IDENTIFICATION


GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity (Oral) : Category 4

Serious eye damage : Category 1

GHS label elements

Hazard pictograms :

The image shows two GHS hazard pictograms side-by-side. The first is a red diamond with a black border containing a black silhouette of two hands being corroded by liquid dripping from test tubes. The second is a red diamond with a black border containing a large black exclamation mark.

Signal word : Danger

Hazard statements : H302 Harmful if swallowed.
H318 Causes serious eye damage.

Precautionary statements :

Prevention:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

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and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Alcohols, C9-11, ethoxylated	68439-46-3	$\geq 90 - \leq 100$

The specific chemical identity and/or the exact percentage of composition of a hazardous ingredient is being withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

- General advice : Remove/ Take off immediately all contaminated clothing.
Get medical advice/ attention if you feel unwell.
- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
- In case of skin contact : Remove contaminated clothing and shoes.
Wash off with soap and plenty of water.
Wash off immediately with plenty of water for at least 15 minutes.
Get medical attention if irritation develops and persists.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get immediate medical advice/ attention.
- If swallowed : Rinse mouth.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Get medical advice/ attention.
- Most important symptoms and effects, both acute and delayed : Harmful if swallowed.
Causes serious eye damage.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet
Alcohol-resistant foam

Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA	Revision Date: 02/19/2025 Date of printing :03/25/2025
-----------------------	---

	Dry powder Carbon dioxide (CO ₂)
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO) Carbon dioxide (CO ₂)
Further information	: In the event of fire and/or explosion do not breathe fumes. Do not allow run-off from fire fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	: Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
Environmental precautions	: The product should not be allowed to enter drains, water courses or the soil.
Methods and materials for containment and cleaning up	: Prevent product from entering drains. Non-sparking tools should be used. Take measures to prevent the build up of electrostatic charge. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Observe the general rules of industrial fire protection
Advice on safe handling	: Handle in accordance with good industrial hygiene and safety practice. For personal protection see section 8. Avoid contact with skin, eyes and clothing. Use only with adequate ventilation. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Keep away from heat, sparks and open flames. Store in



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

Date of printing :03/25/2025

proper container and keep container closed when not in use.

Further information on storage conditions : Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection
Remarks : Chemical resistant gloves (butyl rubber, nitrile rubber, polyvinyl alcohol). However, please note that PVA degrades in water.

Eye protection : Chemical splash goggles with face shield.

Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

Protective measures : Observe the usual precautions for handling chemicals.

Hygiene measures : Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : clear



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA		Revision Date: 02/19/2025
		Date of printing :03/25/2025

Odour	:	characteristic
Odour Threshold	:	no data available
pH	:	5.5 (68 °F / 20 °C) Concentration: 1 %
Melting point	:	no data available
Boiling point/boiling range	:	no data available
Flash point	:	> 212 °F / > 100 °C Method: closed cup
Evaporation rate	:	no data available
Flammability (liquids)	:	not determined
Burning rate	:	no data available
Self-ignition	:	no data available
Burning number	:	no data available
Upper explosion limit / upper flammability limit	:	no data available
Lower explosion limit / Lower flammability limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	no data available
Density	:	0.9966 g/cm ³ (77 °F / 25 °C)
Solubility(ies) Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	no data available
Decomposition temperature	:	The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA	Revision Date: 02/19/2025 Date of printing :03/25/2025
-----------------------	---

Viscosity	
Viscosity, dynamic	: 50.5 mPa.s (77 °F / 25 °C)
Viscosity, kinematic	: no data available
Metal corrosion rate	: Not applicable
Particle size	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	: None known.
Incompatible materials	: not known
Hazardous decomposition products	: When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact
Skin contact
Inhalation
Ingestion

Acute toxicity

Harmful if swallowed.

Product:

Acute oral toxicity	: Acute toxicity estimate: 526.37 mg/kg Method: Calculation method
Acute inhalation toxicity	: Remarks: no data available
Acute dermal toxicity	: Remarks: no data available

Components:

Alcohols, C9-11, ethoxylated:

Acute oral toxicity	: Assessment: The component/mixture is moderately toxic after single ingestion.
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Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

Date of printing :03/25/2025

Skin corrosion/irritation

Not classified

Product:

Remarks : no data available

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : no data available

Components:

Alcohols, C9-11, ethoxylated:

Result : Risk of serious damage to eyes.

Respiratory or skin sensitisation

Skin sensitisation

Not classified

Respiratory sensitisation

Not classified

Product:

Remarks : no data available

Germ cell mutagenicity

Not classified

Product:

Germ cell mutagenicity - Assessment : No information available.

Carcinogenicity

Not classified

Product:

Carcinogenicity - Assessment : No information available.

IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

Date of printing :03/25/2025

Reproductive toxicity

Not classified

Product:

Reproductive toxicity - Assessment : No information available.
No information available.

STOT - single exposure

Not classified

Product:

Remarks : no data available

STOT - repeated exposure

Not classified

Product:

Remarks : no data available

Repeated dose toxicity

Product:

Remarks : no data available

Aspiration toxicity

Not classified

Product:

no data available

Experience with human exposure

Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: no data available

Toxicity to algae/aquatic plants : Remarks: no data available



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

Date of printing :03/25/2025

Toxicity to microorganisms : Remarks: no data available

Components:

Alcohols, C9-11, ethoxylated:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Persistence and degradability

Product:

Biodegradability : Remarks: no data available

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Mobility in soil

Product:

Distribution among environmental compartments : Remarks: no data available

Other adverse effects

Product:

Results of PBT and vPvB assessment : Remarks: no data available

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : none

Waste from residues : Dispose of this product in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

SECTION 14. TRANSPORT INFORMATION



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

Date of printing :03/25/2025

DOT	not restricted
IATA	not restricted
IMDG	not restricted

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Serious eye damage or eye irritation

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

The components of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

TSCA list

TSCA - 5(a) Significant New Use Rule List of Chemicals: No substances are subject to a Significant New Use Rule.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D): No substances are subject to TSCA 12(b) export notification requirements.

Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

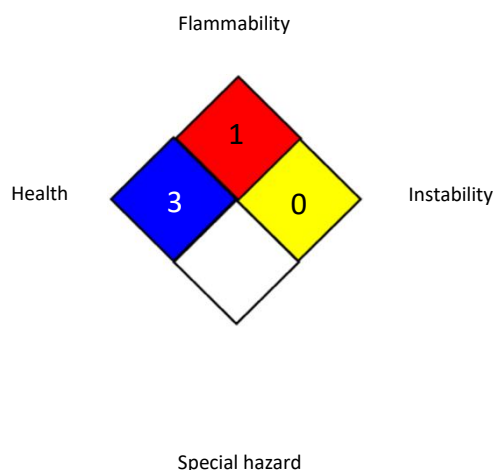
Revision Date: 02/19/2025

Date of printing :03/25/2025

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration,



Silver Fern Chemical, Inc.

SAFETY DATA SHEET

Fernfax GP900

Version : 1 - 0 / USA

Revision Date: 02/19/2025

Date of printing :03/25/2025

Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Observe national and local legal requirements

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Revision Date : 02/19/2025

DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

US / EN

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