



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Section 1. Identification

Product identifier

Product Identity

B Cat U450

Other means of identification

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against

Acid Catalyst for Coil Coting& Automotive Coatings

Details of the supplier of the safety data sheet

Company Name

Silver Fern Chemical, Inc.
121 W. De La Guerra Street, Suite B
Santa Barbara, CA 93101 USA
Customer Service: 1-866-282-3384 /
info@silverfernchemical.com
Website - www.silverfernchemical.com

Emergency

24 hour Emergency

Telephone No.

Emergency telephone number
Infotrac: 1-800-535-5053; Outside USA & Canada +1-352-323-3500

Customer Service:

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Flammable Liquid, category 3;H226
Acute toxicity(oral), category 4;H302
Skin corrosion/irritation category 2;H315
Serious eye damage / eye irritation, category 1;H318

Flammable liquid and vapor.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Specific target organ toxicity, Single exposure category 3;H335

Specific target organ toxicity, Single exposure category 3;H336

May cause respiratory irritation.

May cause drowsiness or dizziness.

Label elements



Danger

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

[Prevention]

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P233 Keep container tightly closed.

P235 Keep cool.

P240 Ground, bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, light, equipment.

P242 Use only non-sparking tools.

P243 Take action to prevent static discharges.

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, eye protection, and face protection.

[Response]

P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.

P302+312 IF ON SKIN: Call a POISON CENTER or doctor, physician if you feel unwell

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+312 IF INHALED: Call a poison center or doctor or physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

P310 Immediately call a POISON CENTER, doctor or physician.

P330 Rinse mouth.

P332+313 If skin irritation occurs: Get medical attention.

P362+364 Take off contaminated clothing and wash it before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]

P403+233 Store in a well ventilated place. Keep container tightly closed.

P403+235 Store in a well ventilated place. Keep cool.

P405 Store locked up.

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per US or Canadian regulations.

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Xylene CAS Number: Proprietary Synonyms: No available information	45 - 70	Flammable Liquid, category 3;H226 Acute toxicity(inhalation), category 4;H332 Acute toxicity(dermal), category 4;H312 Skin corrosion/irritation category 2;H315	No data available
Butyl alcohol, n- CAS Number: 71-36-3 Synonyms: n-Butyl Alcohol, n-Butyl alcohol, Butan-1-ol, Butanol, N-butanol	10 - 30	Flammable Liquid, category 3;H226 Acute toxicity(oral), category 4;H302 Specific target organ toxicity, Single exposure category 3;H335 Skin corrosion/irritation category 2;H315 Serious eye damage / eye irritation, category 1;H318 Specific target organ toxicity, Single exposure category 3;H336	No data available
Dinonylnaphthalene disulphonic acid CAS Number: 25322-17-2 Synonyms: No available information	10 - 30	Acute toxicity(oral), category 4;H302 Serious eye damage / eye irritation, category 2;H319	No data available



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
		Skin corrosion/irritation category 2;H315	
Isopropyl Alcohol CAS Number: 67-63-0 Synonyms: Propan-2-ol, ISOPROPANOL, ISOPROPYL ALCOHOL (manufacture-strong acid process, Solvent C-3	3 - 7	Flammable Liquid, category 2;H225 Serious eye damage / eye irritation, category 2;H319 Specific target organ toxicity, Single exposure category 3;H336	No data available
Morpholine CAS Number: 110-91-8 Synonyms: No available information	3 - 7	Flammable Liquid, category 3;H226 Acute toxicity(inhalation), category 4;H332 Acute toxicity(dermal), category 4;H312 Acute toxicity(oral), category 4;H302 Skin corrosion/irritation category 1B;H314	No data available

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Rinse with plenty of clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview No chronic toxicity or long term toxicity information available. Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Inhalation May cause respiratory irritation.

Eyes Causes serious eye damage.

Skin Causes skin irritation.

Ingestion Harmful if swallowed.

Section 5. Fire-fighting measures

Extinguishing media

CO₂, Dry Chemical, Foam, Sand.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

Keep container tightly closed.

Keep cool.

Ground, bond container and receiving equipment.

Use explosion-proof electrical, ventilating, light, equipment.

Use only non-sparking tools.

Take action to prevent static discharges.

Avoid breathing dust, fume, gas, mist, vapors, spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.



ERG Guide No.

132

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Eliminate ignition sources. Soak up with noncombustible absorbent material(**do not use sawdust**). Remove absorbent material for proper disposal.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.
See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Incompatible materials: No available information
See section 2 for further details. - [Storage]

Specific end use(s)

No available information



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
67-63-0	Isopropyl Alcohol	OSHA	400 ppm, 980 mg/m ³
		ACGIH	200 ppm 400 ppm
		NIOSH	TWA 400 ppm (980 mg/m ³) STEL: 500 ppm (1225 mg/m ³)
71-36-3	Butyl alcohol, n-	OSHA	100 ppm, 300 mg/m ³
		ACGIH	20 ppm
		NIOSH	C 50 ppm (150 mg/m ³) [skin]
110-91-8	Morpholine	OSHA	20 ppm, 70 mg/m ³
		ACGIH	20 ppm
		NIOSH	TWA 20 ppm (70 mg/m ³) STEL: 30 ppm (105 mg/m ³) [skin]
Proprietary	Xylene	OSHA	STEL 150 ppm
		ACGIH	TWA: 100 ppm STEL: 150 ppm
		NIOSH	No Established Limit
25322-17-2	Dinonylnaphthalene disulphonic acid	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Protective safety glasses recommended

Skin Avoid skin contact. Protective gloves recommended.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.



Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Liquid
Color	Brown
Odor	Characteristic odor
Melting point / freezing point	No available information
Initial boiling point and boiling range	110°C
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.4% Upper Explosive Limit: 11.3%
Flash Point	29°C
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	7.0 ± 1.0
Viscosity (cSt)	No available information
Solubility in Water	Practically insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	0.58 kpa (20°C)
Relative Density	0.88 ~ 0.94
Vapor Density	2.6
Evaporation rate (Ether = 1)	0.46
Oxidising properties	No available information
Explosive properties	No available information
Self-Ignition Temperature	345°C

Other information

No other relevant information.

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No available information

Conditions to avoid

Avoid high temperatures, heating, etc.

Incompatible materials

No available information

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Xylene - (Proprietary)	4,299.00, Rat - Category: 5	1,548.00, Rabbit - Category: 4	No data available.	20.00, Rat - Category: NA	5,000.00, Rat - Category: 4
Butyl alcohol, n - (71-36-3)	790.00, Rat - Category: 4	3,430.00, Rabbit - Category: 5	No data available.	No data available.	No data available.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Dinonylnaphthalene disulphonic acid - (25322-17-2)	No data available.	No data available.	No data available.	No data available.	No data available.
Isopropyl Alcohol - (67-63-0)	5,840.00, Rat - Category: NA	16,400.00, Rabbit - Category: NA	72.60, Rat - Category: NA	No data available.	No data available.
Morpholine - (110-91-8)	1,900.00, Rat - Category: 4	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
67-63-0	Isopropyl Alcohol	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	A4
71-36-3	Butyl alcohol, n-	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
110-91-8	Morpholine	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	A4
Proprietary	Xylene	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		ACGIH	No Established Limit
25322-17-2	Dinonylnaphthalene disulphonic acid	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-single exposure	3	May cause respiratory irritation.
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:No available information

Symptoms and effects, both acute and delayed:

No chronic toxicity or long term toxicity information available. Treat symptomatically.

Inhalation May be harmful if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

Eyes Causes serious eye damage.

Skin May be harmful in contact with skin. Causes skin irritation.

Ingestion Harmful if swallowed.

Section 12. Ecological information

Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Xylene - (Proprietary)	3.30, Oncorhynchus mykiss	8.50, Palaemonetes pugio	100.00, Chlorococcales
Butyl alcohol, n - - (71-36-3)	1,376.00, Pimephales promelas	1,328.00, Daphnia magna	225.00, Pseudokirchneriella subcapitata
Dinonylnaphthalene disulphonic acid - (25322-17-2)			



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
	No data available.	No data available.	No data available.
Isopropyl Alcohol - (67-63-0)	10,000.00, Pimephales promelas	No data available.	No data available.
Morpholine - (110-91-8)	1.00, Danio rerio	45.00, Daphnia magna	28.00, Pseudokirchneriella subcapitata

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Destroy by liquid incineration. Use absorbent material and deposit in toxic landfill in accordance with local, state, and federal regulations.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	UN2924	UN2924	UN2924
UN proper shipping name	UN2924, Flammable liquids, corrosive, n.o.s. (xylene), 3 (8), III	Flammable liquids, corrosive, n.o.s. (xylene)	Flammable liquids, corrosive, n.o.s. (xylene)
Transport hazard class(es)	Class:3 (8) Sub Class:8	Class:3 Sub Class:8	Class:3 Sub Class:8
Packing group	III	III	III

Environmental hazards

IMDG Marine Pollutant: No;

Special precautions for user

No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0000071-36-3	Butyl alcohol, n-	Yes		ACTIVE
0025322-17-2	Dinonylnaphthalene disulphonic acid	Yes		ACTIVE
0000067-63-0	Isopropyl Alcohol	Yes		ACTIVE
0000110-91-8	Morpholine	Yes		ACTIVE



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
Proprietary	Xylene	Yes	Present	

The following flags are used:

- Active - indicates commercial status designation of active
- E - indicates a substance that is the subject of a Section 5(e) Consent Order under TSCA.
- F - indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- N - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
- P - indicates a commenced Premanufacture Notice (PMN) substance.
- R - indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S - indicates a substance that is identified in a final Significant New Uses Rule.
- SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
- T - indicates a substance that is the subject of a final Section 4 test rule under TSCA.
- UVCB Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials
- XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
- Y1 - indicates a polymer that has a number-average molecular weight greater than 1,000 and that was exempt under the 1984 polymer exemption rule.
- Y2 - indicates a polymer that is a polyester and that was exempt under the 1984 polymer exemption rule.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Butyl alcohol, n-

Isopropyl Alcohol

Xylene

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Mass RTK Substances (>1%) :

Butyl alcohol, n-

Isopropyl Alcohol

Morpholine

New Jersey RTK Substances (>1%):

Butyl alcohol, n-

Isopropyl Alcohol

Morpholine

Xylene

Pennsylvania RTK Substances (>1%):

Butyl alcohol, n-



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

Isopropyl Alcohol

Morpholine

Xylene

OSHA Process Safety Management Standard Highly Hazardous Chemicals, Toxics and Reactives:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

US EPA List of Regulated Substances under the Risk Management Plan (RMP) Program:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

US EPA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) under the Minimum Risk Exemption:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

U.S. - DEA List II or Essential Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

U.S. - DEA - Exempt Chemical Mixtures - List 1 and 2:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

US DHS Chemical Facility Anti-Terrorism Standards (CFATS):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 311/312 Chemicals and RQs (lbs):

Butyl alcohol, n- (5,000.00)

Xylene (100.00)



Section 16. Other information

Revision Date

05/30/2025

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, express 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 damage or expense arising out of or in any way responsibility and expressly disclaim liability for loss, 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.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.



Silver Fern Chemical, Inc.
Safety Data Sheet
B Cat U450

Revision Date: 05/30/2025

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

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