

## Section 1. Identification

### Product identifier

**Product Identity** Seplife® 6AG IDA/Ni/90

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

Ion Exchange, Adsorbent, and/or catalyst.

### Details of the supplier of the safety data sheet

**Company Name** Sunresin New Materials Co. Ltd.  
No.135, Jinye Road, Xi'an Hi-tech Industrial Development  
Zone,  
Shaanxi, 710076, China  
**24 hour Emergency Telephone** 0086-29-86691600  
**No.**  
**Customer Service** 0086-29-86691600  
**Email Address** info.lifescience@sunresin.com

## 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  
Skin sensitizer category 1;H317  
Carcinogen, category 2;H351

Flammable liquid and vapor.  
May cause an allergic skin reaction.  
Suspected of causing cancer.

### Label elements



## **Warning**

H226 Flammable liquid and vapor.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

### **[Prevention]**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

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.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

### **[Response]**

P302+352 IF ON SKIN: Wash with plenty of soap and water.

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

P308+313 IF exposed or concerned: Get medical advice or attention.

P333+313 If skin irritation or a rash occurs: Get medical advice or 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+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
Ethanol CAS Number: 64-17-5 Synonyms: Ethyl Alcohol	14- 19	Flammable Liquid, category 2;H225	-----
Nickel CAS Number: 7440-02-0 Synonyms: Nickel	0.1 - 1	Carcinogen, category 2;H351 Specific target organ toxicity, repeated exposure category 1;H372 Skin sensitizer category 1;H317	-----

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** Irrigate copiously with 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** Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer

depends on duration and level of exposure.

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 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.

**Skin** May cause an allergic skin reaction.

## **Section 5. Fire-fighting measures**

### **Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

### **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.

128

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

### Environmental precautions

Do not allow spills to enter drains or waterways.

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

### Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

## 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

## Section 8. Exposure controls / personal protection

### Control parameters

### Exposure Limits

CAS No.	Ingredient	Source	Value
64-17-5	Ethanol	OSHA	1000 ppm, 1900 mg/m
ACGIH	1000 ppm		
NIOSH	TWA 1000 ppm (1900 mg/m )		
7440-02-0	Nickel	OSHA	1 mg/m (as Ni)
ACGIH	0.1 mg/m (I) Inhalable		
NIOSH	Ca TWA 0.015 mg/m [*Note: The REL does not apply to Nickel carbonyl.]		

### Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses recommended
<b>Skin</b>	Avoid skin contact. Protective gloves recommended.
<b>Engineering Controls</b>	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.
<b>Other Work Practices</b>	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

<b>Physical State</b>	Liquid
<b>Color</b>	Blue. Green.
<b>Odor</b>	Alcohol-like. [Slight]
<b>Melting point / freezing point</b>	Not available
<b>Initial boiling point and boiling range</b>	Not available
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not available <b>Upper Explosive Limit:</b> Not available
<b>Flash Point</b>	°F 40-45 °C, Test method: Close cup)
<b>Auto-ignition temperature</b>	No available information

<b>Decomposition temperature</b>	No available information
<b>pH</b>	6-8
<b>Viscosity (cSt)</b>	Not available
<b>Solubility in Water</b>	No available information
<b>Partition coefficient n-octanol/water (Log Kow)</b>	No available information
<b>Vapor pressure (Pa)</b>	Not available
<b>Relative Density</b>	Not available
<b>Vapor Density</b>	Not available
<b>Evaporation rate (Ether = 1)</b>	Not available
<b>Oxidising properties</b>	Not available
<b>Explosive properties</b>	Not available
<b>Density</b>	Not available

**Other information**

No other relevant information.

**Section 10. Stability and reactivity**

**Reactivity**

Hazardous Polymerization will not occur.

**Chemical stability**

Stable under normal circumstances.

**Possibility of hazardous reactions**

No available information

**Conditions to avoid**

Avoid high temperatures and contact with incompatible material

**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
Ethanol - (64-17-5)	10,470.00, Rat - Category: NA	17,100.00, Rabbit - Category: NA	124.70, Rat - Category: NA	No data available.	No data available.
Nickel - (7440-02-0)	> 9,000.00, Rat - Category: NA	No data available.	No data available.	No data available.	No data available.

### Carcinogen Data

CAS No.	Ingredient	Source	Value
64-17-5	Ethanol	OSHA	Regulated Carcinogen: No;
NTP	Known: No; Suspected: No;		
IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No;		
ACGIH	A3		
7440-02-0	Nickel	OSHA	Regulated Carcinogen: Yes;
NTP	Known: Yes; Suspected: Yes;		
IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No;		
ACGIH	A5		

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	2	Suspected of causing cancer.
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable



STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

**Possible routes of entry:** No available information

**Symptoms and effects, both acute and delayed:**

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

Treat symptomatically.

**Skin** May cause an allergic skin reaction.

**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
Ethanol - (64-17-5)	15,400.00, <i>Lepomis macrochirus</i>	> 10,000, <i>Daphnia magna</i>	17.92, <i>Ulva pertusa</i>
Nickel - (7440-02-0)	15.30, <i>Oncorhynchus mykiss</i>	0.28, <i>Ceriodaphnia dubia</i>	0.24, <i>Ankistrodesmus falcatus</i>

**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

Observe all federal, provincial and local regulations when disposing of this substance.

## Section 14. Transport information



	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not regular	Not regular	Not regular
UN proper shipping name			
Transport hazard class(es)			
Packing group			
Environmental hazards			
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
0000064-17-5	Ethanol	Yes		ACTIVE
0007440-02-0	Nickel	Yes		ACTIVE

**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:**

Ethanol

Nickel

**Proposition 65 - Carcinogens (>0.0%):**

Nickel

**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:**



WARNING: This product can expose you to chemicals including [Nickel], which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Note:** Ethanol (Ethyl alcohol) has been placed on the California Proposition 65 Cancer and Developmental Lists when in alcoholic beverages.

**Section 16. Other information**

**Revision Date**

03/04/2025

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

H225 Highly flammable liquid and vapor.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

The information provided in this safety data sheet is based on current knowledge about the product and current legal requirements and standards. Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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