

## **Section 1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

<b>Product Identity</b>	Seplife® 6AG NTA/Ni/90
<b>Unique Formula Identifier</b>	Seplife® 6AG NTA/Ni/90

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

<b>Intended Uses and Uses Advised Against</b>	Ion Exchange, Adsorbent, and/or catalyst.
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### **1.3. Details of the supplier of the safety data sheet**

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

### **1.4. Emergency telephone number**

<b>24 hour Emergency Telephone No.</b>	0086-29-86691600
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## **Section 2. Hazard identification of the product**

### **2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Flam. Liq. 3;H226	Flammable liquid and vapor.
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### **2.2. Label elements**

**According to REGULATION (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006**



### Warning

H226 Flammable liquid and vapor.

EUH208: Contains Nickel. May produce an allergic reaction.

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.

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

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

P240 Ground, bond container and receiving equipment.

### 2.3. Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

## Section 3. Composition/information on ingredients

### 3.2. Mixtures

If the product contains substances that present a hazard according to Regulation (EC) No. 1272/2008 [CLP/GHS], they are listed below.

Ingredient/Chemical Designations	Weight %	EC No. 1272/2008 Classification	Notes
<b>Ethanol</b> CAS Number: 64-17-5 EC No. 200-578-6 Index No.: 603-002-00-5 REACH #: 01-2119457610-43	14- 19	Flam. Liq. 2;H225	
<b>Nickel</b> CAS Number: 7440-02-0 EC No. 231-111-4 Index No.: 028-002-00-7 REACH #: 01-2119438727-29	0.1 - 0.3	Carc. 2;H351 STOT RE 1;H372 Skin Sens. 1;H317	S; 7

Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and

labelling of substances (Table 3.1).

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

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

## Section 4. First aid measures

### 4.1. 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.

**Eye** 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.

### 4.2. 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.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower. IF exposed or concerned: Get medical advice or attention. If skin irritation or a rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.

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

#### **5.1. Extinguishing media**

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

#### **5.2. 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.

#### **5.3. 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.

### **Section 6. Accidental release measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).  
Avoid breathing dust, fume, gas, mist, vapors, spray. Contaminated work clothing should not be

allowed out of the workplace.

## **6.2. 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.

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

## **6.3. 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.

## **6.4 Reference to other sections**

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## **Section 7. Handling and storage**

### **7.1. Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

Wear protective gloves, eye protection, and face protection.

### **7.2. Conditions for safe storage, including any incompatibilities**

Incompatible materials: No available information

Store in a well ventilated place. Keep cool. Store locked up.

### **7.3. Specific end use(s)**

No available information

## **Section 8. Exposure controls / personal protection**

### **8.1. Control parameters**

#### **Exposure Limits**

CAS No.	Ingredient	Source	Value
64-17-5	Ethanol	ACGIH	1000 ppm
DNEL Local Exposure	No Established Limit		
DNEL Systematic Exposure	380 mg/m		
National	No Established Limit		
7440-02-0	Nickel	ACGIH	0.1 mg/m (I) Inhalable
DNEL Local Exposure	No Established Limit		
DNEL Systematic Exposure	No Established Limit		
National	No Established Limit		

## 8.2. 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. Use chemical resistant gloves classified under Standard EN 374: Protective gloves against chemicals and micro-organisms. Recommended: Viton or Nitrile gloves. When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time greater than 480 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 2 or higher (breakthrough time greater than 30 minutes according to EN 374) is recommended. The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/ specifications provided by the glove supplier. Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.
<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.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Blue. Green.
Odor	Alcohol-like. [Slight]
Melting point / freezing point	Not available
Initial boiling point and boiling range	Not available
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	<b>Lower Explosive Limit:</b> Not available <b>Upper Explosive Limit:</b> Not available
Flash Point	°F 40-45 °C, Test method: Close cup)
Auto-ignition temperature	No available information
Decomposition temperature	No available information
pH	6-8
Viscosity (cSt)	Not available
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure (Pa)	Not available
Relative Density	Not available
Vapor Density	Not available
Evaporation rate (Ether = 1)	Not available
Oxidising properties	Not available
Explosive properties	Not available
Density	Not available

### 9.2. Other information

No other relevant information.

## Section 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No available information

### 10.4. Conditions to avoid

Avoid high temperatures and contact with incompatible material

#### **10.5. Incompatible materials**

No available information

#### **10.6. Hazardous decomposition products**

No hazardous decomposition data available.

### **Section 11. Toxicological information**

#### **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

##### **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).

<b>Ingredient</b>	<b>Oral LD50, mg/kg</b>	<b>Skin LD50, mg/kg</b>	<b>Inhalation Vapour LC50, mg/L/4hr</b>	<b>Inhalation Dust/Mist LC50, mg/L/4hr</b>	<b>Inhalation Gas LC50, ppm</b>
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.

<b>Classification</b>	<b>Category</b>	<b>Hazard Description</b>
Acute toxicity (oral)	---	---
Acute toxicity (dermal)	---	---
Acute toxicity (inhalation)	---	---
Skin corrosion/irritation	---	---



Serious eye damage/irritation	---	---
Respiratory sensitization	---	---
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	---
Carcinogenicity	---	---
Reproductive toxicity	---	---
STOT-single exposure	---	---
STOT-repeated exposure	---	---
Aspiration hazard	---	---

## 11.2 Information on other hazards

### 11.2.1. Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

## Section 12. Ecological information

### 12.1. 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	3hr IC50 Bacteria mg/L	Biodegradability %
Ethanol - (64-17-5)	15,400.00, Lepomis macrochirus	>10,000.00, Daphnia magna	17.92, Ulva pertusa	>1,000.00	89.00
Nickel - (7440-02-0)	15.30, Oncorhynchus mykiss	0.28, Ceriodaphnia dubia	0.24, Ankistrodesmus falcatus	---	---

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

No available information

### 12.4. Mobility in soil

No available information

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

### 12.6 Endocrine disrupting properties

This product contains no endocrine disrupting chemicals.

### 12.7. Other adverse effects

No available information

### Section 13. Disposal considerations

#### 13.1. Waste treatment methods

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

### Section 14. Transport information



	ADR/RID	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not regular	Not regular	Not regular
14.2. UN proper shipping name			
14.3. Transport hazard class(es)			
14.4. Packing group			
14.5. Environmental hazards			
Marine Pollutant: No;			
14.6. Special precautions for user			
No available information			
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code			
Not Applicable			

### Section 15. Regulatory information

### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **EU Legislation**

REGULATIONS (EU) 2023/707, (EU) 2020/878 amending Regulations EU 2015/830 and (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). REGULATION (EC) 1272/2008 on the classification, labeling and packaging of substances and mixtures (CLP).

#### **National Legislation**

WGK Class: 1

**CandNTate List of SVHC for Authorisation:** Not Applicable

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:**

Ethanol (Use restricted. See item 40.)

Nickel (Use restricted. See item 27.)

### **15.2. Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out.

<b>Section 16. Other information</b>
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**Revision Date**

4/3/2025

**Revision Number**

01

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.

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - International Carriage of Dangerous Goods by Road (Accord Dangereux Routier)  
CAS - Chemical Abstract Service  
CLP - Classification Labeling and Packaging  
DOT - Department of Transportation  
EC50 - European Commission  
EC50 - Half maximal effective concentration  
ErC50 - The concentration of test substance which results in a 50 percent reduction in growth rate (ErC50) relative to the control within 72hrs exposure.  
GHS - Globally Harmonized System  
IARC - International Agency for Research on Cancer  
IATA - International Civil Aviation Organization  
IC50 - The amount of a substance suspended in the air required to kills 50% of a test animals during a predetermined observation period.  
ICAO - International Civil Aviation Organization  
IMDG - International Maritime Dangerous Goods  
IMO - International Maritime Organization  
LC50 - Is the Lethal Concentration of a substance at which 50% of test animals die.  
LD50 - Is the Lethal Dose at which 50% of the animals will be expected to die.  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration  
PBT - Persistent, Bioaccumulative and Toxic Chemicals  
PEL - Permissible Exposure Limit  
REACH - Registration, Evaluation, Authorization and Restriction of Chemicals  
RID - Regulations concerning the international carriage of dangerous goods by rail)  
STEL - Short Term Exposure Limit  
TWA - Time Weighted Average  
vPvB - Very Persistent and very Bio-accumulative  
WGK - Water Hazard Class

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008  
[CLP/GHS]**

Classification	Justification
Flam. Liq. 3;H226	On basis of test data
Carc. 2;H351	Calculation method
EUH208: Contains Nickel. May produce an allergic reaction.	Calculation method

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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