

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                                |                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------|
| PRODUCT NAME                   | PNI Ecosafe - 98                                                                                       |
| PRODUCT TYPE                   | Gold extraction agent                                                                                  |
| SUPPLIER / PRIVATE-LABEL OWNER | Persian Nevisa International                                                                           |
| CEO                            | Mr. Shahriar Mehdizadeh                                                                                |
| SUPPLIER CONTACT               | Tel: +98 21 9130 3949   Mobile: +98 912 290 5729   Email: roozbeh.pni@gmail.com   www.persiannevisa.ir |
| EMERGENCY CONTACT              | +98 912 290 5729                                                                                       |

## SECTION II - HAZARDS IDENTIFICATION

### Globally Harmonized System

Pictogram:



Signal Word:

**Danger**

|             |                            |
|-------------|----------------------------|
| Signal word | DANGER                     |
| H318        | Causes serious eye damage. |
| H315        | Causes skin irritation.    |
| H302        | Harmful if swallowed.      |

|                   |                                                                                                                                                                                                                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PREVENTION</b> | P280 Wear protective gloves, protective clothing and eye/face protection.<br>P260 Do not breathe dust, gas, mist or vapours.<br>P270 Do not eat, drink or smoke when using this product.                                                                                                    |
| <b>RESPONSE</b>   | P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.<br>P303+P352 IF ON SKIN (or hair): Wash with plenty of soap and water.<br>P362+P364 Take off contaminated clothing and wash it before reuse. |
| <b>STORAGE</b>    | P405 Store locked up.                                                                                                                                                                                                                                                                       |
| <b>DISPOSAL</b>   | P501 Dispose of contents and container at an authorized hazardous or special-waste collection point.                                                                                                                                                                                        |



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## SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT                    | FORMULA                                                      | EC NUMBER | CAS NUMBER | WEIGHT % |
|------------------------------|--------------------------------------------------------------|-----------|------------|----------|
| Urea                         | CH <sub>4</sub> N <sub>2</sub> O                             | 200-315-5 | 57-13-6    | 12       |
| Thiourea                     | CH <sub>4</sub> N <sub>2</sub> S                             | 200-543-5 | 62-56-6    | 10       |
| Cyanuric acid trisodium salt | C <sub>3</sub> N <sub>3</sub> Na <sub>3</sub> O <sub>3</sub> | 221-255-6 | 3047-33-4  | 65       |
| Calcium oxide                | CaO                                                          | 215-138-9 | 1305-78-8  | 8        |
| Others                       | N/A                                                          | N/A       | N/A        | 5        |

## SECTION IV - FIRST-AID AND HEALTH EFFECTS

|                      |                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| INHALATION           | Dust may irritate the respiratory or gastro-intestinal tract and may cause sneezing or coughing. Remove the affected person to fresh air. If breathing is difficult, administer oxygen and obtain medical attention. |
| EYE CONTACT          | May cause serious eye damage or irritation. Immediately flush with water for at least 15 minutes, remove contact lenses if easy to do, and obtain medical attention.                                                 |
| SKIN CONTACT         | May irritate or weakly corrode skin. Flush with water for at least 15 minutes, remove contaminated clothing and obtain medical attention.                                                                            |
| INGESTION            | Do not induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.                                                              |
| CHRONIC / OTHER DATA | Carcinogenicity, mutagenicity, teratogenicity, neurotoxicity, reproductive effects and target-organ data: no data in supplied source document.                                                                       |



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| SECTION V - FIRE-FIGHTING MEASURES                     |                                                                                                                                                                                               |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FLASH POINT                                            | Not available.                                                                                                                                                                                |
| FLAMMABILITY                                           | Not flammable.                                                                                                                                                                                |
| EXTINGUISHING MEDIA                                    | Dry sand or extinguishing media suitable for surrounding fire.                                                                                                                                |
| SPECIAL PROTECTION                                     | No specific data provided; use appropriate protective equipment.                                                                                                                              |
| HAZARDOUS COMBUSTION PRODUCTS                          | Ammonia (NH <sub>3</sub> ).                                                                                                                                                                   |
| SECTION VI - ACCIDENTAL RELEASE MEASURES               |                                                                                                                                                                                               |
| SMALL SPILL                                            | Use suitable tools to place spilled solid in an appropriate waste-disposal container.                                                                                                         |
| LARGE SPILL                                            | Stop the leak if safe. Keep water out of the container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed and obtain disposal assistance. |
| SECTION VII - HANDLING AND STORAGE                     |                                                                                                                                                                                               |
| STORAGE TEMPERATURE                                    | Normal ambient temperature.                                                                                                                                                                   |
| STORAGE CONDITIONS                                     | Keep tightly closed in a cool, dry and well-ventilated area.                                                                                                                                  |
| HANDLING                                               | Keep locked and dry. Keep away from water and acids. Avoid dust generation.                                                                                                                   |
| SUNLIGHT / HEAT / HUMIDITY                             | Avoid direct sunlight and humid conditions.                                                                                                                                                   |
| SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION |                                                                                                                                                                                               |
| ENGINEERING CONTROLS                                   | Control dust and provide adequate ventilation in storage and work areas.                                                                                                                      |
| RESPIRATORY                                            | Dust mask or suitable respirator is recommended for prolonged exposure.                                                                                                                       |
| EYE                                                    | Wear safety glasses or goggles.                                                                                                                                                               |
| SKIN                                                   | Wear gloves and long-sleeved protective clothing.                                                                                                                                             |
| EXPOSURE GUIDANCE                                      | Short-term exposure: no special respirator specified in source document. Prolonged exposure: use a dust respirator.                                                                           |



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| SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES |                                                                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| APPEARANCE / ODOUR                            | Light-grey solid granules or powder; weak ammonia-like odour.                                                                                              |
| SPECIFIC GRAVITY                              | 1.28 (water = 1 at 17 C).                                                                                                                                  |
| SOLUBILITY                                    | Soluble in cold water.                                                                                                                                     |
| MELTING / BOILING POINT                       | No data.                                                                                                                                                   |
| pH                                            | Alkaline in solution (pH > 9.5).                                                                                                                           |
| PHYSICAL STATE                                | Solid granular particle or powder at 25 C and 1 atm.                                                                                                       |
| SECTION X - STABILITY AND REACTIVITY          |                                                                                                                                                            |
| STABILITY                                     | Stable.                                                                                                                                                    |
| INCOMPATIBILITY                               | Avoid contact with acids.                                                                                                                                  |
| HAZARDOUS POLYMERIZATION                      | No data.                                                                                                                                                   |
| DECOMPOSITION PRODUCTS                        | Ammonium ions and melamine may be present in water solution.                                                                                               |
| SECTION XI - TOXICOLOGICAL INFORMATION        |                                                                                                                                                            |
| ORAL / DERMAL LD50                            | LD50 (rat): 485 mg/kg in the supplied SDS. Other supplied marketing documents report 584 mg/kg; verify the certified value before external regulatory use. |
| AQUATIC LC50                                  | Rainbow trout: 793 ug/L.                                                                                                                                   |
| SECTION XII - ECOLOGICAL INFORMATION          |                                                                                                                                                            |
| AQUATIC TEST DATA                             | Supplied source documents report LC50 values of 793 ug/L for rainbow trout and 1,000 ug/L for Daphnia magna.                                               |
| INTERPRETATION                                | The source document describes the material as slightly or weakly toxic. Local ecological classification must be independently confirmed.                   |
| SECTION XIII - DISPOSAL CONSIDERATIONS        |                                                                                                                                                            |
| WASTE SOLUTION                                | Source document states that waste solution may be treated with calcium hypochlorite before disposal.                                                       |
| GENERAL                                       | Dispose in accordance with applicable national and local environmental regulations. No statement in this SDS replaces a site-specific waste assessment.    |



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## SECTION XIV - TRANSPORT INFORMATION

|                         |                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TRANSPORT BASIS         | Supplied source documents classify the product as low-toxicity / practical non-hazard material and non-explosive. It may be transported by sea, rail, road or air, subject to carrier and local regulatory confirmation. |
| UN NUMBER               | Not applicable.                                                                                                                                                                                                          |
| UN PROPER SHIPPING NAME | Not applicable.                                                                                                                                                                                                          |
| TRANSPORT HAZARD CLASS  | Not applicable.                                                                                                                                                                                                          |
| PACKING GROUP           | Not applicable.                                                                                                                                                                                                          |
| ENVIRONMENTAL HAZARD    | Not applicable in supplied source classification.                                                                                                                                                                        |

## SECTION XV - REGULATORY INFORMATION

|                  |                                                                                                                                                    |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT HS CODE  | 3824.90.99.90 (as stated in supplied source document).                                                                                             |
| LOCAL COMPLIANCE | Users and importers must verify the applicable tariff code, chemical registration, labelling and transport status in the destination jurisdiction. |

## SECTION XVI - OTHER INFORMATION

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Private-label product name: PNI Ecosafe - 98  
Issue date: May 1, 2026

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