

## Safety Data Sheet

### Nutrisal NA LT

#### Section 1 - IDENTIFICATION OF THE SUBSTANCE

##### 1.1 Product identifier :

- **Product Name :** Sodium lactate solution
- **EC# :** 200-772-0
- **CAS# :** 72-17-3
- **Trade Name** Nutrisal NA LT

##### 1.2 Relevant identified uses of the substances or mixture and used advised against

- **Recommended use :** Humectant, moisturizing Agents.
- **Recommended restrictions :** None known

#### Section 2 - HAZARDS IDENTIFICATION

##### 2.1 Classification of substance or mixture according to Regulation (EC) No 1272/2008 (CLP)

- **Hazard Class and Categories and codes :** Not Classified as hazardous as per Regulation (EC) No 1272/2008 (CLP)
- **Hazard statement Code(s) :** No hazard statement codes.

##### 2.2 Labelling according to Regulation (EC) No 1272/2008 (CLP)

- **Hazard Pictogram/Signal word:** Non classified substance so no hazard Pictogram/Signal word
- **Hazard Statements:** Non classified substance so no hazard statements
- **Precautionary Statements:** P280: Wear protective gloves/ protective clothing/ eye protection/ face protection. P501: Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards Not known

### Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

| Constituent         | CAS No.   | EC No.    | Typical Concentration | Remarks |
|---------------------|-----------|-----------|-----------------------|---------|
| Sodium-(L)- Lactate | 72-17-3   | 200-772-0 | 60 %                  | None    |
| Water               | 7732-18-5 | 231-791-2 | 40 %                  | None    |

### Section 4 - FIRST AID MEASURES

#### 4.1 Description of First Aid measures:

- **General measures** : Remove soiled or soaked clothing immediately. Seek medical assistance if discomfort continues.
- **Eye contact** : Rinse immediately with gently running water for 15 minutes, maintaining eyelids open. Consult an ophthalmologist or a physician.
- **Skin Contact** : In case of contact with skin wash off immediately with soap and water.
- **Inhalation** : Remove the casualty into fresh air and keep him calm.
- **Ingestion** : Rinse out mouth and give plenty of water to drink. Get medical treatment.

#### 4.2. Most important symptoms and effects, both acute and delayed

- No symptoms known currently.

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

- Treat symptomatically.

### Section 5 - FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media:

**Suitable extinguishing media:** Water spray. Dry powder

**Unsuitable extinguishing media:** carbon dioxide, Full water jet, Foam

## 5.2. Special hazards arising from the substance or mixture

: Toxic fumes may be released.

## 5.3. Advice for fire-fighters

**Special protective equipment for firefighters:** Use self-contained breathing apparatus. Wear full protective suit. Wear self-contained breathing apparatus (SCBA) and full protective clothing.

### Further information:

Wear self-contained breathing apparatus (SCBA) and full protective clothing.

## Section 6 - ACCIDENTAL RELEASE MEASURES

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

- **Personal Protective Equipment :** Use personal protective clothing.  
Ensure adequate ventilation.  
Avoid contact with skin and eyes.
- **Skin Protection :** Avoid contact with eyes and skin by use of protective equipment. (as mention in section 8.2)
- **Respiratory Protection :** Wear personal respiratory protective equipment. (as mention in section 8.2)
- **Work Practices:** Do not eat, drink, and smoke at working place.  
Avoid contact with skin and eye.  
Take care on disposal of product.

### 6.2. Environmental precautions:

- If the product gets into drains, inform the relevant authorities immediately.
- Do not discharge into the drains/surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning:

- Place in suitable containers and send for recovery or disposal.
- Take up mechanically

## Section 7 - HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- Ensure good ventilation of the work station. Wear personal protective equipment.

### 7.2 Conditions for storage

- Store in a tightly closed container at room temperature between 15 - 30° C away from light and moisture.

## Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Not Applicable.

### 8.2 Exposure Control:

- **Engineering measures:** Provide general ventilation.
- **Respiratory Protection:** Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure.  
Particle filter P2
- **Hand Protection:** Chemical resistant gloves according to category III of DIN EN374  
Minimum thickness (glove): not determined  
With solid dry substances permeation is not to be expected, therefore the breakthrough-time for this protective glove has not been measured.  
These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.
- **Eye protection:** safety glasses
- **Skin protection:** protective clothing
- **Hygiene measures** Work in an adequately ventilated room.  
Change contaminated clothes immediately.

## Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

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

- **Appearance :** Clear colourless or practically colourless, slightly viscous liquid
- **Odor :** Odorless or has a slightly not unpleasant odour
- **Odor threshold :** Not available
- **pH** 5.0 – 9.0
- **Melting point/Freezing point :** Not available
- **Boiling point/boiling range :** Not available
- **Flash Points :** > 100°C
- **Evaporation rate :** Not available
- **Flammability of the Product :** Not available
- **Flammable Limits :** Not available
- **Vapour pressure :** Not available
- **Vapour density :** Not available

- **Relative density :** Not available
- **Solubility :** Miscible with water
- **Partition coefficient:n-octanol/water :** Not available
- **Auto-Ignition Temperature :** Not available
- **Decomposition temperture :** Not available
- **Viscosity :** Not available
- **Explosive properties :** Not available
- **Oxidising properties :** Not available

## 9.2 Other information : Not available

## Section 10 – STABILITY AND REACTIVITY

- **Reactivity :** No hazardous reactions known. Stable.
- **Chemical stability :** Stable.
- **Possibility of hazardous reactions :** No hazardous reactions known. Stable.
- **Conditions to avoid :** Strong heat.
- **Hazardous decomposition products :** When handled and stored appropriately, no dangerous decomposition products are known.
- **Incompatible materials :** Not known.

## Section 11 - TOXICOLOGICAL INFORMATION

- No hazard identified

### 11.1 Information on toxicological effects:

- **Toxicity** Acute Oral toxicity
- **Species** Rat
- **Effect level** LD50 > 3000 mg/kg bw

### 11.2 Irritation Corrosion:

- **Eye:** Not irritating
- **Skin:** Not irritating

### 11.3 Sensitization

- **Skin:** Not sensitising

## 11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **Carcinogenicity** : Non-carcinogenic
- **Mutagenic effects** : Not mutagenic
- **Reprotoxic effects** : Not found to be reprotoxic.

## 11.5 Other toxic effects on humans:

- **Inhalation** : No data available
- **Eyes** : No data available
- **Ingestion** : No data available
- **Chronic toxicity** : No data available

## 11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):

- No information available

## 11.7 Specific target organ toxicity:

- **Single exposure** : No experimental or epidemiological sufficient evidence for specific target organ toxicity
- **Repeated exposure** : No experimental or epidemiological sufficient evidence for specific target organ toxicity

## Section 12 - ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

Not data available

### 12.2 Persistence and degradability:

- Not data available

### 12.3 Bioaccumulative potential:

- The substance was not B/vB

### 12.4 Mobility in soil:

- Data not available

## 12.5 Results of PBT and vPvB assessment:

- Not PBT and PVB

## 12.6 Other adverse effects:

- None

## Section 13 - DISPOSAL CONSIDERATIONS:

- **Disposal of Packaging:** Regulations concerning reuse or disposal of used packaging materials must be observed. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

## Section 14 - TRANSPORT INFORMATION

The product does not classified hazardous to transport as per Land transport (ADR/RID), Marine transport (IMDG), Air transport ICAO/IATA, and Department of Transportation (DOT).

- **UN Number** : not restricted
- **UN proper shipping name** : not restricted
- **Transport hazard class** : not restricted
- **Packing group** : not restricted
- **Environmental hazards** : not restricted

## Section 15 - REGULATORY INFORMATION

### 15.1 Other regulatory information:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available.

#### **Inventory Status:**

Listed in: US(TSCA), Europe (EINECS), New Zealand (NZIoC), Philippines (PICCS), Canada(DSL), China (IECSC), Australia (AICS), Japan (ENCS).

- **HMS (Hazardous Materials Identification system) classification**

|                            |          |
|----------------------------|----------|
| <b>Health</b>              | <b>1</b> |
| <b>Fire</b>                | <b>0</b> |
| <b>Physical Hazard</b>     | <b>0</b> |
| <b>Personal Protection</b> | <b>E</b> |

|   |
|---|
| 1= - Irritation or minor reversible injury possible   |
| 0 = Materials that will not burn.   |
| 0= Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |



- **NFPA (National Fire Protection Association)** :

|                   |          |
|-------------------|----------|
| <b>Health</b>     | <b>1</b> |
| <b>Fire</b>       | <b>0</b> |
| <b>Reactivity</b> | <b>0</b> |

|  |
|--|
| 1 = - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.  |
| 0 = Materials that will not burn under typical fire conditions (e.g. carbon dioxide), including intrinsically noncombustible materials such as concrete, stone and sand. |
| 0=Normally stable, even under fire exposure conditions, and are not reactive with water.   |

## 15.2 Chemical Safety Assessment:

- A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR)- No

## Section 16 – OTHER INFORMATION

### 16.1 Technical Advice:

- Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory



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- Create a Register for Workplace Chemicals;
- Set priorities concerning the safety in the organization
- Create emergency plans for the assessed hazards;
- Organize occupational health care and regular surveys as necessary;
- Organize contacts with authorities/laboratories to create a monitoring system for chemical hazards, and to reliably measure and/or estimate occupational exposures to chemicals when needed;
- Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;
- Involve workers in safety organizations, such as the system of Safety Representatives and Committees.
- Do regular inspection using checklists made for the particular chemicals and chemical processes in use;
- Mark and label all chemicals;
- Keep at hand an inventory list of all chemicals handled in the place of work together with a collection of Chemical Safety Data Sheets for these chemicals;
- Train workers to read and understand the Chemical Safety Information, including the health hazards and routes of exposure; train them to handle dangerous chemicals and processes with respect;
- Plan, develop and choose the safe working procedures;
- Reduce the number of people coming into contact with dangerous chemicals;
- Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;
- Train workers to know and understand the emergency procedures;
- Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;

## 16.2 List of relevant R phrases:

No relevant risk phrases as substance is non-classified.