

1 PRODUCT & COMPANY IDENTIFICATION

| | |
|--|---|
| Product Name: Sodium Lactate 60% | Supplier: ASES CHEMICAL WORKS. |
| Synonyms: Sodium DL-lactate, Lactic Acid Sodium Salt, Compound Sodium Lactate Solution, Monosodium Lactate | Address: Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India |
| INCI Name: Sodium Lactate | Phone: +91-9636889954 |
| CAS Number: 72-17-3 | Web: www.ases.in |
| Formula: C ₃ H ₅ NaO ₃ | Email : ecom@ases.in |
| Product Use: Personal care formulation. | |

2 HAZARDS IDENTIFICATION

Warning! Irritant (skin and eye)

Hazard statements: (h300s) health: skin corrosion/irritation: category 3

H316 causes mild skin irritation: (h300s) health: serious eye damage/eye irritation: category 2b

H320 causes eye irritation: (h300s) health: acute toxicity/oral: category 5

H303 may be harmful if swallowed

Precautionary statements:

P100s = general, p200s = prevention, p300s = response, p400s = storage, p500s = disposal

| | |
|----------------|--|
| P264 | wash exposed skin thoroughly after handling. |
| P305+p351+p338 | if in eyes: rinse cautiously with water for several minutes. |
| P312 | call a poison center or doctor/physician if you feel unwell. |
| P332+p313 | if skin irritation occurs: get medical advice/attention. |
| P337+p313 | if eye irritation persists: get medical advice/attention. |

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | Weight% |
|----------------|-----------|--------------|
| Sodium Lactate | 72-17-3 | 58.8 – 61.2% |
| Water | 7732-18-5 | 41.2 – 38.8% |

4 FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation: If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion: Seek medical attention or contact local poison control centre.

5 FIRE-FIGHTING MEASURES

| | |
|--|---|
| Fire & explosion prevention measures: | Non-flammable liquid |
| Suitable extinguishing media: | Extinguishing agents appropriate for surrounding Fire |
| Non-suitable extinguishing media: | None known |
| Special protective equipment & precautions: | Firefighters should wear protective Equipment and self-contained breathing apparatus for fighting surrounding fire. |
| Hazardous combustion products: | With evaporation to dryness; carbon oxides, Sodium oxides |

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, protective equipment and emergency procedures

Equipment should be adequate to prevent skin & eye contact.

Environmental Precautions

Avoid discharge into drains or watercourses or onto the ground..

Methods and material for containment and cleaning up

Reuse or recycle products wherever possible. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations

MATERIAL SAFETY DATA SHEET

SODIUM LACTATE 60%

7 HANDLING & STORAGE

Precautions: Process in closed systems, if possible superposed by inert gas (e.g. nitrogen), local exhaust ventilation is recommended, take precautionary measures against electrostatic charging, avoid dust; very high dust

Storage: Store in stainless steel, aluminium, enamel glass or polyethylene. Store below 25°C protected from light and humidity.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value..

Personal Protection: Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits: Not available.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|-----------------------------|--------------------------|----------------------------------|
| Appearance: | Clear to pale yellow liquid | Vapor Pressure: | 17.535 mm of Hg (@ 20°C) (Water) |
| Odor: | Slight | Vapor Density: | 0.62 (Air = 1) (Water) |
| Taste: | Not available | Flammability: | Not available |
| Color: | Not available | Evaporation Rate: | Not available |
| Relative Density: | 1.31-1.34 @ 20°C | Explosive Limit: | Not available |
| pH (10% sol. in water) | 6.0-7.5 | Solubility: | Soluble in water |
| Boiling Point: | 100°C (212°F) (Water) | Flash Point: | Not available |
| Melting Point: | Not applicable | Viscosity: | Not available |

10 STABILITY AND REACTIVITY

Reactivity: Stable under normal temperature conditions

Chemical Stability: Stable under normal temperature conditions

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Excess Heat

Incompatible Materials: Strong Oxidizers.

Hazardous Decomposition Products: None.

11 TOXICOLOGICAL INFORMATION

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Very hazardous in case of skin contact (irritant), of ingestion, of inhalation. Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of Products of Biodegradation: The product itself and its products of degradation are not toxic.

13 DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

MATERIAL SAFETY DATA SHEET

SODIUM LACTATE 60%

14 TRANSPORT INFORMATION

US DOT Shipping Description (Land) : Not regulated

IMO-IMDG Shipping Description (Sea) : Not regulated

IATA Shipping Description (Air) : Not regulated

15 REGULATORY INFORMATION

Chemical Safety Assessment: This product does not contain any chemical components regulated.

Other : Not regulated

16 OTHER INFORMATION

Disclaimer & Caution

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.