



SAFETY DATA SHEET FOR CHEMICALS  
MSDS

**TRIHYDRATE SODIUM ACETATE**

REVISION DATE: 1/25/2018

**1. - IDENTIFICATION OF PRODUCT AND COMPANY**

**Product name:** Trihydrate sodium acetate.

**Internal Code of product identification:** 101.35.2 **Company name:** USIQUÍMICA DO BRASIL LTDA.

**Address:** Rua da Lagoa, 431 - Cumbica - Guarulhos - SP.

**Company Phone:** (11) 3821-7000 - PBX system.

**Emergency call numbers:** SUATRANS - COTEC - Environmental Emergency.  
DDG (0800) 0111-767 - (0800) 7071-767 - 24 HOURS.  
193 - Firefighters.

**Main recommended uses for the substance:** Paints, leathers, pharmaceuticals, photographs, soaps, detergents, tanneries industries and intermediate agents of chemical processes.

**2. - HAZARDS IDENTIFICATION**

**Substance classification or mixture (according to ABNT NBR 14.725-2)** This substance is not classified as dangerous according to the G.H.S.

**Labeling elements (according to ABNT NBR 14.725-2)**

The labeling is dispensed according with the G.H.S.

**Other hazards which do not result in an classification** No information found

**Appropriate labeling elements (GHS classification):**

LABELING ELEMENTS	DATA
Product identification and supplier emergency phone.	Commercial Name: Trihydrate sodium acetate. Synonym: Sodium ethanoate, trihydrate sodium salt. Emergency call number: SUATRANS - COTEC - Environmental Emergency. DDG (0800) 0111-767 - (0800) 7071-767 - 24 HOURS.
Chemical Composition (CH <sub>3</sub> COONa.3H <sub>2</sub> O)	98%, minimum.
Hazard pictogram	Product not classified as dangerous according to the G.H.S.
Warning words	Not applicable.
Hazard phrase	Not applicable.
Caution phrase	Not applicable.
Further information	Not classified as a dangerous product, according to Resolution 5232/16 ANTT and amendments.

**3. - COMPOSITION AND INFORMATION ON THE INGREDIENTS:**

**Substance:** Trihydrate sodium acetate.

**Chemical or common name:** Sodium Acetate.

**Synonym:** Sodium ethanoate, trihydrate sodium salt.

**Composition:** 98%, minimum.

**CAS Registration No.:** 6131-90-4.

**Impurities that contribute to the hazard:** Not

**4. - FIRST AID MEASURES:**

**First aid measures:**

- **Inhalation:** Remove the victim ventilated area and keep the person in a rest position that does not make it difficult to breathe. Providing oxygen or artificial respiration if necessary. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER/or a doctor. Take this MSDS



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- **Skin contact:** Wash exposed skin with sufficient amount of water to remove the material for at least 15 minutes. Remove the contaminated clothing and footwear. In case of skin irritation: Consult a physician. Take this MSDS.
- **Eye contact:** Rinse thoroughly with water for several minutes. Keep your eyelids apart and wash your eyes with plenty of water for at least 15 minutes. If contact lenses are used, remove them, if it is easy and rinse again. If eye irritation persists: Consult a physician. Take this MSDS.
- **Ingestion:** Do not induce vomiting. Wash the victim's mouth with plenty of water. Never give anything by mouth to an unconscious person. If possible, have the victim ingest activated charcoal. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER/or a doctor. Take this MSDS.

**Symptoms and effects most important acute or delay:** Irritating effect.

**Notes to the physician:** Treat symptomatically. Treatment must be focused on controlling the patient's symptoms and clinical reactions. After first aid, the treatment of symptoms that reappear will only be necessary.

## 5. - FIRE FIGHTING MEASURES

**Fire:** Auto-ignition temperature = 611°C.

Like most organic solids, fire is possible at high temperatures or in contact with an ignition source.

**Extinguishing measures:** - **Appropriate:** Water spray, chemical powder, foam or carbon dioxide (CO<sub>2</sub>).

**Not Appropriate:** Water jets.

**Specific substance hazards:** Vapors are heavier than air and can spread along the ground. In the event of strong heating, explosive mixtures may form with air. In the event of fire, flammable gases and dangerous vapors are formed.

**Firefighting team protection measures:** Self-contained breathing apparatus (SCBA) with positive pressure and complete protective clothing. Product packaging involved in the fire, must be cooled with water fog.

## 6. - MEASURES OF CONTROL FOR SPILL OR LEAK

**Personal precautions, protective equipment and emergency procedures:**

- **For the staff that is not part of the emergency services:** Avoid to contact with the product. Do not inhaled the powders.
- **For the staff of the emergency department:** Use personal protective equipment and respiratory protective equipment.

**Precaution to the environment:** Avoid to spilled product from reaching water courses and sewage system. Do not allow contact with soil, surfaces or groundwater.

**Methods and materials for a containment and cleanliness:** Clean floors and objects carefully, observing environmental regulations. Collect the product with a clean shovel or other instrument that does not disperse the product. Place the material in appropriate containers and remove them to a safe place. For final destination, proceed according to Section 13 of this MSDS.

## 7. - HANDLING AND STORAGE

**Prevention of worker's exposure:**

- Handle in a ventilated area or with a general local ventilation / exhaust system. Avoid formation of vapors / mists. Avoid inhaling the product in case of formation of vapors or mists. Inspect containers for damage or leakage before handling them.

**Precautions for safe handling:**

- Providing appropriate exhaust ventilation on machines and in places where dust can be generated. Contaminated equipment must be cleaned up immediately with water. Floors, walls and other surfaces must be cleaned regularly. Smoking, eating and drinking is prohibited in the application area. Avoid formation of dust. Avoid contact with incompatible materials. Use personal protective equipment as described in section 8.

**- Hygiene measures:**

- Wash the hands and face carefully after handling and before eating, drinking, smoking or using the bathroom. Contaminated clothing must be changed and washed before reuse.

**Conditions for safe storage, including any incompatibilities: Remediation of fire and explosion:**



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- The product is not expected to present a fire or explosion hazard. - **Adequate conditions:**  
- Storing in order to avoid the generation of dust. Storing in a cool, dry and ventilated place. Protecting against physical damage. To isolate from any source of heat or ignition. Observe all cautions and precautions listed for the product.

**Conditions which must be avoided:**

- High temperatures. Ignition sources, such as sparks and flames. **Packaging Materials:**  
- Storing in a tightly closed packaging. Polyethylene bag, covered with raffia bag.

## 8. - EXPOSURE CONTROLS AND INDIVIDUAL PROTECTION

**Control parameters:** It does not contain substances with occupational exposure limit values.

**Measures of engineering control:** Handling the product in a location with good natural or mechanical ventilation, in order to keep the concentration of vapors / dust below the tolerance limit. Promote mechanical ventilation and a direct exhaust system to the outside environment. These measures help to reduce product exposure. It is recommended to make emergency showers and eye washers available in the work area. Engineering control measures are the most effective in reducing product exposure.

**Personal protection measures:**

**Protection for the eyes/face:** Safety glasses and easy access to eye washers.

**Skin protection:** Protective gloves and clothing covering the body.

**Respiratory protection:** Dust mask.

**Thermal hazards:** Not available.

## 9. - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White crystals.

**Odor:** Faint odor of acetic acid.

**pH, 10% aqueous solution:** 7.0- 9.0.

**Melting point / freezing point:** Not available.

**Initial boiling point and boiling temperature rate:**

**Flash point:** Not available.

**Evaporation rate:** Not available.

**Flammability:** Not available.

**Lower/upper flammability or explosiveness limit:** Not available

**Vapor pressure:** Not applicable.

**Vapor density:** Not applicable.

**Relative density:** Not available.

**Solubility in water (0° C):** Water-soluble

**Partition coefficient - n-octanol / water:** Not available.

**Autoignition temperature:** Not available.

**Decomposition temperature:** Not available.

**Viscosity:** Not applicable.

## 10. - STABILITY AND REACTIVITY

**Reactivity:** In the event of strong heating, explosive mixtures may form with air. **Chemical stability:** Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:** Nitrates.

**Conditions to be avoided:** Strong heating. **Incompatible materials:** Not available.

**Hazardous decomposition products:** Not dangerous decomposition products are known.

## 11. - TOXICOLOGICAL INFORMATION

**Acute toxicity:**

Oral LD50 Rat: 3,530 mg/kg

(Anhydrous substance) (RTECS)

Inhalation CL50 Rat: > 30 mg / l; 1 h; dust / mist



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(Anhydrous substance) (RTECS) Dermal DL50 Rabbit: > 10,000 mg / kg  
(Anhydrous substance) (RTECS) **Skin corrosion / irritation:** Irritating.  
**Severe ocular lesions/eye irritation:** Irritating. **Respiratory or skin sensitization:** Not available. **Germ cell mutagenicity:** Not available.  
**Carcinogenicity:** Not available.  
**Toxicity to reproduction:** Not available.  
**Toxicity to organs - specific targets - single exposure:** Not available. **Toxicity to organs - specific targets - repeated exposure:** Not available. **Aspiration hazard:** Not available.

## 12. - ECOLOGICAL INFORMATION

### Ecotoxicity:

Toxicity to fish CL50 *Lepomis macrochirus* (Moonfish): 5.000 mg/l; 24 h

(Anhydrous substance) (Literature)

Toxicity to daphnias and other aquatic invertebrates. CE50 *Daphnia magna* (water flea or daphnia): > 1.000 mg/l; 48 h

(Anhydrous substance) (IUCLID)

Toxicity to bacteria CE50 *Pseudomonas putida*: 7.200 mg/l; 18 h

(Anhydrous substance) (IUCLID)

**Persistence and degradability:** Not available.

**Bio accumulative potential:** Not bioaccumulation is expected.

**Mobility in soil:** Not available.

**Other adverse effects:** Discharge into the environment must be avoided.

## 13. - CONSIDERATIONS ON THE TREATMENT AND DISPOSAL

### Recommended methods for final destination:

The treatment and disposal of product wastes must be carried out in an appropriate environment, by people trained with the use of special equipment and the recommended PPE's to avoid contact with the product, its vapors or mists. Leaks must be contained and collected for later disposal after neutralization.

### Product:

Ensure that all Federal, State and local agencies receive appropriate notices of spills and disposal methods. CONAMA Resolution 005/1993, Law No. 12,305, of as August 2, 2010 (National Policy on Solid Waste).

### Waste of products:

Please consult environmental regulatory agencies for counselling on the acceptable disposal practices. Please contact the relevant local authorities. It can be incinerated when in compliance with local regulations. Or dispose of at an approved chemical waste landfill.

### - Used Package:

Empty packages must be drained and covered before handling and transport operations. If the packaging is not conveniently washed and decontaminated, it is considered to contain product.

## 14. - TRANSPORT INFORMATION

### National and International Regulations

#### Land:

Resolution No. 5232 of as January 14, 2016 of the National Land Transport Agency (ANTT), *Approves the Supplementary Instructions to the Regulation for the Land Transportation of Dangerous Products and their modifications.*

#### Waterway:

DPC - Directorate of Ports and Coasts (Transport in Brazilian waters) Maritime Authority Standards (NORMAM) NORMAM 01 / DPC: Vessels Employed in Open Sea Navigation

#### Air:

ANAC - Civil Aviation National Agency - Resolution No. 129 of as 8 January, 2009



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RBAC No. 175 - (BRAZILIAN CIVIL AVIATION REGULATION) - TRANSPORT OF DANGEROUS MATERIALS IN CIVIL AIRCRAFT

IS No. 175-001 - SUPPLEMENTARY INSTRUCTION - IS

ICAO - "International Civil Aviation Organization" - Doc 9284-NA / 905

IATA - "International Air Transport Association" Dangerous Goods Regulation (DGR)

**ONU number:**

Not classified as dangerous for transport in different modes.

## 15. - INFORMATION ON THE REGULATIONS

**Specific regulations for the chemicals:**

Federal Decree No. 2,657, of as July 3, 1998; Standard ABNT-NBR 14725: 2014;

Ordinance No. 229, of as May 24, 2011 - Amends Regulatory Standard No. 26.

## 16. - OTHER INFORMATION

The information in this sheet corresponds to the current status of our knowledge and our product experience and is not exhaustive. Applies to the product under the conditions specified, unless mention otherwise. In case of combinations or mixtures, make sure that no new hazards can appear. This information does not exempt, in any case, the user of the product from respecting the all legislative, regulatory and administrative texts related to the product, safety, hygiene and protection of human and environmental health.

**Bibliographical References:**

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IUCLID - INTERNATIONAL UNIFORM CHEMICAL INFORMATION DATABASE. [S.I.]: European chemical Bureau. Available at: <<http://ecb.jrc.ec.europa.eu>>. Access on: January, 2018

NIOSH - NATIONAL INSTITUTE OF OCCUPATIONAL AND SAFETY. International Chemical Safety Cards. Available at: <<http://www.cdc.gov/niosh/>>. Access on: January, 2018

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