

**SAFTY DATA SHEET**

The Japanese Industrial Standards — Reagent  
**SODIUM (+)—TARTRATE DIHYDRATE**

**1.: Product & Company Information**

Product Name : The Japanese Industrial Standards — Reagent  
 Sodium (+)—Tartrate Dihydrate  
 Company Name : KOMATSUYA CORPORATION  
 5<sup>th</sup> Floor, 9-28, 1-Chome, Kyutaromachi,  
 Chuo-ku, Osaka, 541-0056, Japan  
 Wakayama Plant : 890 Hagiwara, Hidaka-cho, Hidaka-gun  
 Wakayama, 649-1202, Japan  
 Phone Number & Emergency Phone Number : +81-738-63-2007  
 Facsimile Number : +81-738-63-2630

**2.: Hazards Identification**

GHS Classification : Not a hazardous substance or mixture according to the GHS  
 Pictogram : None  
 Signal Word : None  
 Hazard Statements : No  
 Handle with care : Wear protective gloves, goggles and mask.  
 : Wash thoroughly after handling.  
 : See 4.:First Aid Measures.  
 : See 7.:Handling and Storage.  
 : See 13.:Disposal Considerations.

**3.: Composition and Information on Ingredients**

Chemical Name : Sodium Tartrate Dihydrate, Disodium d-Tartrate  
 Synonyms : L-Tartaric Acid disodium salt dihydrate,  
 Sal Tartar dihydrate  
 Chemical Formula :  $\text{NaOOC}(\text{CHOH})_2\text{COONa} \cdot 2\text{H}_2\text{O}$   
 Molecular Weight : 230.08  
 CAS No. : 6106-24-7  
 JCSC No. : 2-1457  
 EINECS No. : 212-773-3  
 Percent : > 99.0 % (mass/mass)

**4.: First Aid Measures**

Eye : Immediately flush eyes with plenty of water. Get medical attention.  
 Skin : Immediately flush skin with soap and water. Get medical aid if irritation develops or persists.  
 Inhalation : In case of normal use cause no problem. If large amounts were inhaled, remove to fresh air. If breathing is difficult, get medical attention.  
 Ingestion : In case of a small amount of intake, nothing may happen. If large amounts were swallowed, give plenty of water or saline to induce vomiting and get medical attention.

**5.: Fire Fighting Measures**

Flammability of the Product : May be combustible at high temperature.  
 Fire Extinguishing Media : Water spray, dry chemical, or carbon dioxide.  
 General Information :  
 As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full

protective clothing. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

## 6.: Accidental Release Measures

Ventilate the area of spill or leak. Wear appropriate personal protective equipment as indicated in Section 8. Vacuum or sweep up material and place into a suitable disposal container.

## 7.: Handling and Storage

Handling : Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Wear suitable protective clothing. Avoid ingestion and inhalation. In case of insufficient ventilation, wear suitable respiratory equipment.

Storage : Store in a tightly closed container. Store in a cool, dry, well-ventilated area and protected from moisture. To prevent blocking of crystals, avoid long-term loading during storage. Keep away from incompatibles such as oxidizing agents, reducing agents, acids and bases. Protect against physical damage.

## 8.: Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Personal Protection:

Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective gloves and clothing to prevent skin exposure. The dust respirator should be used for conditions where exposure has exceeded.

## 9.: Physical and Chemical Properties

Appearance : Colorless crystals or a white, crystalline powder

Odor : Odorless

Boiling Point : Not available

Vapor Pressure : Not available

Volatility : Not available

Melting Point : Not available

Decomposition Temperature : 200 °C (Becomes anhydrous at 150 °C)

Specific Gravity (Density) : 1.82 (g/cm<sup>3</sup>)

pH(5 % solution) : 7.0 ~ 9.0

Solubility : 30 %(in water ), 50 %(in hot water), None (in alcohol)

## 10.: Stability and Reactivity

Stability : Stable under normal temperatures and pressures.

Conditions to Avoid : Heat, flames, ignition sources and incompatible materials.

Hazardous Decomposition products:

No decomposition if stored normally. In the decomposition temperature or more, may cause to release of irritating gases and vapors..

## 11.: Toxicological Information

Acute toxicity : LD50(p.o.-rat): 1,290 mg/kg  
LD50(p.o.-mouse): 4,370 mg/kg

Local Effects : Irritating to eyes and skin

Chronic Toxicity : None

ADI(Acceptable Daily Intake) : 0 ~ 30 mg/kg

Human Experience : Health injuries are not known or expected under normal use.

Carcinogenicity, Epidemiology, Mutagenicity, Neurotoxicity, Reproductive Effects and

Others : No information available

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### 12.: Ecological Information

Mobility : Considered insoluble  
 Bioaccumulation : None  
 Ecotoxicity : No information available.  
 COD : No information available.  
 BOD5 : No information available.

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### 13.: Disposal Considerations

Waste must be disposed in accordance with local environmental control regulations.

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### 14.: Transport Information

UN number, UN classification : Not applicable.  
 Special Provisions for Transport : None

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### 15.: Regulatory Information

Japanese Industrial Standards Reagent K-8540(1995)  
 Listed on EINECS, TSCA, DSL, ECL.  
 HMIS(USA) : Health hazard:1, Fire hazard:1, Reactivity:0  
 WHIMS(Canada) : Class D2A: Material causing other toxic effects.  
 Chemical Substances Control Law(Japan) : Listed  
 Poisonous and Deleterious Substances Control Law(Japan) : None on the List.  
 Fire Fighting Law(Japan) : None on the List.  
 Pollutant Release and Transfer Register Law(Japan) : None on the List.

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### 16.: Other Information

References : Handbook of Japanese Industrial Standards 2012 (48) Reagent  
 The Japanese Standards for Food Additives 8th Edition  
 : The Merck Index 14th Edition  
 : Encyclopaedia Chimica 1963

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SDS Established: 01/11/2015

The information provided in this Safety Data Sheet is correct to the best of knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation.

GHS Classification is basically according to JIS Z 7252(2010).

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