SAFTY DATA SHEET

According to Regulation (EC) No.1907/2006

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
5th 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.

Classification of the substance or mixture
: This substance is not classified as dangerous according to European Union legislation.

Label elements
Labelling (REGULATION (EC) No 1272/2008)
: Not a hazardous or mixture according to Regulation (EC) No. 1272/2008.

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 : $NaOOC(CHOH)_2COONa \cdot 2H_2O$

Molecular Weight : 230.08

Percent : > 99.0 % (mass/mass)

CAS No. : 6106-24-7

JCSC No. : 2-1457

EINECS No. : 212-773-3

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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 ℃ (Becomes anhydrous at 150 ℃)
Specific Gravity (Density)	: 1.82 (g/cm^3)
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, Neurotixicity, Reproductive Effects and Others : No information available

12.: Ecological Information

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

13.: Disposal Considerations

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

14.: Transport Information

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

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.
Major Accident Hazard Legislation (EU)
96/82/EC : Directive 96/82/EC does not apply
Regulation (EC) No 1005/2009 : Not regulated.
Regulation (EC) No 850/2004 : Not regulated.
Regulation (EC) No 689/2008 : Not regulated.
Substance of very high concern (SVHC)
: This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of ≧ 0.1% (w/w).

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

Labelling (67/548/EEC or 1999/45/EC)

: The product does not need to be labelled in accordance with EC directives or respective national laws.

SDS Established: 14/02/2018

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).
