MATERIAL SAFETY DATA SHEET

Potassium Sodium Tartrate Tetrahydrate

SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1	**Product identifiers**		
	Product name	:	Potassium Sodium Tartrate Tetrahydrate
	Brand	:	LABORT
	CAS-No.	:	6381-59-5
1.2	**Relevant identified uses of the substance or mixture and uses advised against**		
	Identified uses	:	Laboratory chemicals, Manufacture of substances
1.3	**Details of the supplier of the safety data sheet**		
	LABORT FINE CHEM PVT LTD. 703-704 ICON BUSINESS CENTRE, OPP. CENTRAL MALL, NR. VALENTINE CINEMA, DUMAS ROAD, SURAT - 395007, (GUJARAT), INDIA. **PH:** 0091-261-2725761; 2725388 **FAX:** 0091-261-2725388 **E MAIL:** info@laboratorychemical.net **WEBSITE:** www.laboratorychemical.net		
1.4	**Emergency telephone number**		
	Emergency Phone #	:	**091-261-2725388**
SECTION 2: Hazards identification			
2.1	**Classification of the substance or mixture**		
	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		
2.2	**Label elements**		
	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		
2.3	**Other hazards**		
	This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.		
SECTION 3: Composition/information on ingredients			
3.1	**Substances**	:	Potassium Sodium Tartrate Tetrahydrate
	Synonyms	:	L (+)-Tartaric acid potassium sodium salt Seignette salt, Rochelle salt
	Formula	:	$C_4H_4KNaO_6 \cdot 4H_2O$

	Molecular weight	:	282,22 g/mol
	CAS-No.	:	6381-59-5
	EC-No.	:	206-156-8
	Hazardous ingredients according to Regulation (EC) No 1272/2008		
	No components need to be disclosed according to the applicable regulations.		

SECTION 4: First aid measures	
4.1	**Description of first aid measures**
	If inhaled After inhalation: fresh air. **In case of skin contact** In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. **In case of eye contact** After eye contact: rinse out with plenty of water. Remove contact lenses. **If swallowed** After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
4.2	**Most important symptoms and effects, both acute and delayed** The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
4.3	**Indication of any immediate medical attention and special treatment needed** No data available
SECTION 5: Firefighting measures	
5.1	**Extinguishing media** **Suitable extinguishing media** Water Foam Carbon dioxide (CO2) Dry powder **Unsuitable extinguishing media** For this substance/mixture no limitations of extinguishing agents are given.
5.2	**Special hazards arising from the substance or mixture** Carbon oxides Potassium oxides Sodium oxides Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.
5.3	**Advice for firefighters** In the event of fire, wear self-contained breathing apparatus.
5.4	**Further information** Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
SECTION 6: Accidental release measures	
6.1	**Personal precautions, protective equipment and emergency procedures** Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
6.2	**Environmental precautions** Do not let product enter drains.
6.3	**Methods and materials for containment and cleaning up** Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
6.4	**Reference to other sections** For disposal see section 13.
SECTION 7: Handling and storage	

7.1	**Precautions for safe handling** For precautions see section 2.2.	
7.2	**Conditions for safe storage, including any incompatibilities** **Storage conditions** Tightly closed. Dry. **Storage class** Storage class (TRGS 510): 11: Combustible Solids	
7.3	**Specific end use(s)** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated	
SECTION 8: Exposure controls/personal protection		
8.1	**Control parameters**	
	Ingredients with workplace control parameters	
8.2	**Exposure controls**	
	Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses **Respiratory protection** required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P1 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented. **Control of environmental exposure** Do not let product enter drains.	
SECTION 9: Physical and chemical properties		
9.1	**Information on basic physical and chemical properties**	
	Appearance Form	Form: crystalline
	Colour	Colorless
	Odour	No data available
	Odour Threshold	No data available
	pH	7.0 – 8.5
	Melting point/freezing point	No data available
	Initial boiling point and boiling range	No data available
	Flash point	No data available
	Evaporation rate	No data available
	Flammability (solid, gas)	No data available
	Upper/lower flammability or explosive limits	No data available
	Vapour pressure	No data available
	Vapour density	No data available
	Relative density	No data available

	Water solubility	No data available
	Partition coefficient: noctanol/water	No data available
	Auto-ignition temperature	No data available
	Decomposition temperature	No data available
	Viscosity	No data available
	Explosive properties	No data available
	Oxidizing properties	No data available
9.2	**Other safety information**	No data available

SECTION 10: Stability and reactivity

10.1	**Reactivity** The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
10.2	**Chemical stability** The product is chemically stable under standard ambient conditions (room temperature) .
10.3	**Possibility of hazardous reactions** Violent reactions possible with: Strong oxidizing agents
10.4	**Conditions to avoid** no information available
10.5	**Incompatible materials** No data available
10.6	**Hazardous decomposition products** In the event of fire: see section 5

SECTION 11: Toxicological information

11.1	**Information on toxicological effects** **Acute toxicity** Oral: No data available Inhalation: No data available Dermal: No data available **Skin corrosion/irritation** Skin - Rabbit Result: No skin irritation - 4 h (Directive 67/548/EEC, Annex V, B.4.) Remarks: (anhydrous substance) **Serious eye damage/eye irritation** Eyes - Rabbit Result: No eye irritation - 1 h (Directive 67/548/EEC, Annex V, B.5.) Remarks: (anhydrous substance) **Respiratory or skin sensitization** Local lymph node assay (LLNA) - Mouse Result: negative (OECD Test Guideline 429) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: Tartaric acid **Germ cell mutagenicity** Test Type: Ames test Test system: Escherichia coli/Salmonella typhimurium Metabolic activation: with and without metabolic activation Method: Directive 67/548/EEC, Annex V, B.13. Result: negative

	Remarks: (anhydrous substance) **Carcinogenicity** No data available **Reproductive toxicity** No data available **Specific target organ toxicity - single exposure** No data available **Specific target organ toxicity - repeated exposure** No data available **Aspiration hazard** No data available
11.2	**Additional Information**
	Endocrine disrupting properties **Product:** Assessment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - Oral - NOAEL (No observed adverse effect level) - 100 mg/kg Remarks: (in analogy to similar products) The value is given in analogy to the following substances: Disodium succinate hexahydrate To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Only very slightly absorbable via the gastrointestinal tract. After uptake of large quantities: Diarrhea Handle in accordance with good industrial hygiene and safety practice.
SECTION 12: Ecological information	
12.1	**Toxicity**
	Toxicity to algae : static test ErC50 - Pseudokirchneriella subcapitata - > 998 mg/l – 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: Disodium succinate hexahydrate (Rochelle salt)
12.2	**Persistence and degradability** Biodegradability aerobic - Exposure time 14 d Result: 100 % - Readily biodegradable. Remarks: (anhydrous substance)
12.3	**Bio accumulative potential** No data available
12.4	**Mobility in soil** No data available
12.5	**Results of PBT and vPvB assessment** This substance/mixture contains no components considered to be either persistent, bio-accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.
12.6	**Endocrine disrupting properties** **Product:** Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7	**Other adverse effects** Discharge into the environment must be avoided.
SECTION 13: Disposal considerations	

13.1	**Product** Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle un-cleaned containers like the product itself. **Contaminated packaging** Dispose of as unused product.		
SECTION 14: Transport information			
14.1	**UN number**		
	ADR/RID: -	IMDG: -	IATA: -
14.2	**UN proper shipping name**		
	ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods		
14.3	**Transport hazard class(es)**		
	ADR/RID: -	IMDG: -	IATA: -
14.4	**Packaging group**		
	ADR/RID: -	IMDG: -	IATA: -
14.5	**Environmental hazards**		
	ADR/RID: No	IMDG Marine pollutant: No	IATA: No
14.6	**Special precautions for user** **Further information** Not classified as dangerous in the meaning of transport regulations.		
SECTION 15: Regulatory information			
15.1	**Safety, health and environmental regulations/legislation specific for the substance or mixture** This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.		
15.2	**Chemical Safety Assessment** For this product a chemical safety assessment was not carried out		
SECTION 16: Other information			
	Further information LABORT FINE CHEM PVT LTD. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. LABORT FINE CHEM PVT LTD. Makes no representations or warranties, either express or implied, including without limitation any warranties or merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, LABORT FINE CHEM PVT LTD. will not be responsible for damages resulting from use of or reliance upon this information. Revised on: 06/01/2025 Revision: 00		