

## LTS Research Laboratories, Inc. Safety Data Sheet L-Tyrosine Disodium Salt Dihydrate

## 1. Product and Company Identification

Trade Name: Chemical Formula:	L-Tyrosine Disodium Salt Dihydrate C9H9NNa2O3.2H2O
Recommended Use:	Scientific research and development
Manufacturer/Supplier:	LTS Research Laboratories, Inc.
Street:	2001 Oaks Pkwy
City:	Belmont
State:	North Carolina
Zip Code:	28012
Country:	USA
Tel #:	855-587-2436 / 855-lts-chem
24-Hour Emergency Contact:	800-424-9300 (US & Canada)
	+1-703-527-3887 (International)
	2. Hazards Identification
Signal Word:	Danger
	a ina.
Hazard Statements:	H315: Causes skin irritation
Hazard Statements:	H318: Causes serious eye damage
Hazard Statements:	
	H318: Causes serious eye damage H335: May cause respiratory irritation
Hazard Statements: Precautionary Statements:	H318: Causes serious eye damage H335: May cause respiratory irritation H401: Toxic to aquatic life
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HMIS Health Ratings (0-4):	
Health:	2
Flammability:	1
Physical:	1

3. Composition		
Salt		
None		
$_{3}H_{9}NNa_{2}O_{3}.2H_{2}O)$		
100 wt%		
122666-87-9		
N/A		
4. First Aid Procedures		
Seek medical attention if symptoms persist.		
None		
N/A		
Remove victim to fresh air. Supply oxygen if breathing is difficult.		
Seek medical attention.		
Rinse mouth with water. Do not induce vomiting. Seek medical		
attention Research		
Wash affected area with mild soap and water. Remove any		
contaminated clothing. Seek medical attention.		
Flush eyes with water, blinking often for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention.		
5. Firefighting Measures		
Non-flammable, except as powder		
No special restrictions – use suitable extinguishing agent for		
surrounding material and type of fire. Do not use water for metal fires -		
use CO <sub>2</sub> , sand, extinguishing powder.		
Use full-face, self-contained breathing apparatus with full protective		
clothing to prevent contact with skin and eyes. See section 10 for		
decomposition products.		
6. Accidental Release Measures		
Wear appropriate respiratory and protective equipment specified in		
special protection information. Isolate spill area and provide		
ventilation. Vacuum up spill using a high efficiency particulate		
-		

	7. Handling and Storage
Handling Conditions:	Wash thoroughly after handling.
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Store apart from materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
	eating and smoking. Do not blow dust off clothing or skin with
	compressed air.
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.
8. Ex	posure Controls and Personal Protection
Permissible Exposure Limits:	None
Threshold Limit Value:	None
Special Equipment:	None
Respiratory Protection:	Dust Respirator
Protective Gloves:	Rubber gloves
	Check gloves prior to each use
Eye Protection:	Safety glasses or goggles
Body Protection:	Protective work clothing. Wear close-toed shoes and long
	sleeves/pants.
9.	Physical and Chemical Characteristics
Color	White - Pale brown
Form:	Powder, Granules, Pellets, Sputtering target, Custom parts
Odor: Natar Salubilitu:	N/A C Research
Water Solubility: Boiling Point:	N/A N/A
Melting Point:	N/A
Flash Point:	N/A
Autoignition Temperature:	N/A
Density:	N/A
Molecular weight:	261.18 g/mol
	10. Reactivity
Stability:	Stable under recommended storage conditions
Reacts With:	Oxidizing agents
Incompatible Conditions:	Exposure to moist air or water
Hazardous Decomposition Products:	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NOx), Sodium oxides
	11. Toxicological Information
Potential Health Effects:	
Eyes:	Causes serious eye damage
Skin:	May cause irritation
Ingestion:	May cause irritation
Inhalation: Chronic:	May cause irritation N/A
Signs & Symptoms:	N/A
Aggravated Medical Conditions:	N/A N/A
Median Lethal Dose:	LD50= 2,000 mg/kg for rat by mouth
Carcinogen:	N/A

	12. Ecological Information
Aquatic Toxicity:	Toxic to aquatic life
Persistent Bioaccumulation Toxicity:	N/A
Very Persistent, Very Bioaccumulative:	N/A
Notes:	N/A
	13. Disposal Considerations
Dispose of in accordance with local, state,	, national, and international regulations.
	14. Transportation Data
Hazardous:	Not hazardous for transportation
Hazard Class:	None
Packing Group:	None
UN Number:	None
Proper Shipping Name:	None
	15. Regulatory Information
Sec 302 Extremely Hazardous:	No
Sec 304 Reportable Quantities:	N/A
Sec 313 Toxic Chemicals:	No
	16. Other Information
given is based on our knowledge of this p the user is drawn to the possible risks incu was intended. This does not in any way er activity. It is the sole responsibility of the	onjunction with technical sheets. It does not replace them. The information roduct, at the time of publication. It is given in good faith. The attention of urred by using the product for any other purpose other than that for which it accuse the user from knowing and applying all the regulations governing his user to take all precautions required in handling the product. The aim of the p the user to fulfill his obligations regarding the use of hazardous products.

Document Last Revised:

04/05/2023