# CAS-No.: 372-75-8 MSDS



# **MATERIAL SAFETY DATA SHEET (MSDS)**

`OH

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1.	Product identifier		
Product form		:	Substance
		:	
CAS-N	No.	:	372-75-8
Produ	ct code	:	02870
Chemi	ical structure	:	0 0 II
			H NH <sub>2</sub>

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

## 1.2.1. Relevant identified uses

Industrial/Professional use spec

: Industrial For professional use only

## 1.2.2. Uses advised against

No additional information available

## 1.3. Details of the supplier of the safety data sheet

SPAN LAB UNIT NO. 14,SKY INDUSTRIAL ESTATE,WALIV, VASAI (E) 401208 Mumbai - INDIA PH: +91 9820509929 info@spanlab.in www.spanlab.in

### **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD] Not classified

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Adverse physicochemical, human health and environmental effects

No additional information available

# 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

2.3.	Other hazards

No additional information available

SECTION 3: Composition/information on ingredients		
3.1. Substar	ices	
Name	: L-CITRULLINE FOR BIOCHEMISTRY	
CAS-No.	: 372-75-8	

Full text of R- and H-statements: see section 16

3.2.	Mixtures
Not appl	cable

SECTION 4: First aid measures	
4.1. Description of first aid measu	
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	<ul> <li>Assure fresh air breathing. Allow the victim to rest.</li> <li>Wash with plenty of water/</li> <li>Rinse immediately with plenty of water.</li> <li>Rinse mouth.</li> </ul>
4.2. Most important symptoms an	d effects, both acute and delayed
No additional information available	
4.3. Indication of any immediate r Treat symptomatically. SECTION 5: Firefighting measures	nedical attention and special treatment needed
5.1. Extinguishing media	
Suitable extinguishing media	: Carbon dioxide. Dry powder. Foam. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.
<b>5.2. Special hazards arising from</b> No additional information available	the substance or mixture
5.3. Advice for firefighters	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTIC	ON 6: Accidental release measures	5
0.4		
6.1.	Personal precautions, protective	equipment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerge	ncy procedures	: Evacuate unnecessary personnel.
6.1.2.	For emergency responders	
Protecti	ve equipment	: Use personal protective equipment as required.
		and the second se
6.2.	Environmental precautions	
Avoid re	elease to the environment.	
6.3.	Methods and material for contain	nment and cleaning up
Methods	s for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. On land, sweep or shovel into suitable containers.
6.4.	Reference to other sections	
No addi	tional information available	
SECTIC	N 7: Handling and storage	
7.1.	Precautions for safe handling	· · · · · · · · · · · · ·
	ions for safe handling	: Avoid contact with skin and eyes. Avoid dust formation.
Hygiene	e measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
7.2.	Conditions for safe storage, incl	uding any incompatibilities
Storage	conditions	: Store in a well-ventilated place. Keep container tightly closed.
7.3.	Specific end use(s)	
No addi	tional information available	
SECTIC	ON 8: Exposure controls/personal	protection
8.1.	Control parameters	
No addi	tional information available	

8.2. Exposure controls		
Hand protection	: Protective gloves	
Eye protection	: Chemical goggles or safety glasses	
Skin and body protection	: Wear suitable protective clothing	
Respiratory protection	: [In case of inadequate ventilation] wear respiratory protection.	
SECTION 9: Physical and chemical properties		
9.1. Information on basic physica	al and chemical properties	
9.1. Information on basic physical Physical state	al and chemical properties : Solid	
Physical state	: Solid	

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Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2.	Other information
No addi	tional information available
SECTIO	N 10: Stability and reactivity
10.1.	Reactivity
No addi	tional information available
10.2.	Chemical stability
Stable u	inder normal conditions.
10.3.	Possibility of hazardous reactions
No addi	tional information available
10.4.	Conditions to avoid
Air conta	act. Direct sunlight. Moisture.
10.5.	Incompatible materials
No addi	tional information available
10.6.	Hazardous decomposition products

No additional information available

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# SECTION 11: Toxicological information

11.1. Information on toxicological	effects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information		
12.1. Toxicity		
No additional information available		
12.2. Persistence and degradability		
No additional information available		
12.3. Bioaccumulative potential		
No additional information available		
12.4. Mobility in soil		
No additional information available		

# 12.5. Results of PBT and vPvB assessment

No additional information available

12.6.	Other adverse effects	
No additional information available		
SECTION 13: Disposal considerations		
13.1.	Waste treatment methods	
No addi	tional information available	

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# **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
Proper Shipping Name (Rib)	. Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
1474	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
44.5 Environmental harved	
14.5. Environmental hazards	· No
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

## 14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

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## - Air transport

No data available

### - Inland waterway transport

No data available

## - Rail transport

No data available

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

**SECTION 15: Regulatory information** 

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## 15.1.1. EU-Regulations

No REACH Annex XVII restrictions L-CITRULLINE FOR BIOCHEMISTRY is not on the REACH Candidate List L-CITRULLINE FOR BIOCHEMISTRY is not on the REACH Annex XIV List

## 15.1.2. National regulations

## Germany

12th Ordinance Implementing the Federal : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance) Immission Control Act - 12.BlmSchV

## Netherlands

SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	: The substance is not listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	: The substance is not listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

# L-CITRULLINE FOR BIOCHEMISTRY Safety Data Sheet

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product