D-ALANINE FOR BIOCHEMISTRY MSDS

CAS-No.: 338-69-2 MSDS



MATERIAL SAFETY DATA SHEET (MSDS)

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

1.1. Product identifier	
Product form	: Substance
Trade name	:
CAS-No.	: 338-69-2
Product code	: 00809
Synonyms	: (R)-2-Aminopropionic acid

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

Adverse physicochemical, human health and environmental effects

No additional information available

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

No labelling applicable

2.3. Other hazards	
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No additional information available

SECTION 3: Composition/information on ingredients		
3.1.	Substances	
Name		: D-ALANINE FOR BIOCHEMISTRY
CAS-No		: 338-69-2

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

3.2. **Mixtures** Not applicable

SECTIO	ON 4: First aid measures	
4.4	Description of first sid measures	
4.1.	Description of first aid measures	
	I measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
	I measures after skin contact	: Wash with plenty of water/
	I measures after eye contact	: Rinse immediately with plenty of water.
First-aid	I measures after ingestion	: Rinse mouth.
4.2.	Most important symptoms and e	ffects, both acute and delayed
No addi	tional information available	
4.3.	Indication of any immediate med	lical attention and special treatment needed
Treat sy	mptomatically.	
SECTIO	ON 5: Firefighting measures	
5.1.	Extinguishing media	
Suitable	extinguishing media	: Carbon dioxide. Dry powder. Foam. Water spray.
Unsuita	ble extinguishing media	: Do not use extinguishing media containing water.
5.2.	Special hazards arising from the	substance or mixture
No addi	tional information available	
5.3.	Advice for firefighters	
Protecti	on during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTIO	ON 6: Accidental release measures	3
6.1.	Personal precautions, protective	equipment and emergency procedures
6.1.1.	For non-emergency personnel	
	ncy procedures	: Evacuate unnecessary personnel.

6.1.2.	For emergency responders	
Protectiv	ve equipment	: Equip cleanup crew with proper protection.
6.2.	Environmental precautions	
Avoid re	lease to the environment.	
6.3.	Methods and material for contain	ment 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	
Precaut	ions for safe handling	: Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.
Hygiene	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, inclu	iding 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	N 8: Exposure controls/personal p	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	: Wear respiratory protection.
SECTION 9: Physical and chemical	properties

9.1. Information on basic physical a	and chemical properties
Physical state	: Solid
Molecular mass	: 89.09 g/mol
Colour	: White crystalline.
Odour	: No data available
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 291 °C

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		
SECTIC	N 10: Stability and reactivity		
10.1.	Reactivity		
No addi	tional information available		
10.2.	Chemical stability		
Stable ι	nder normal conditions.		
10.3.	Possibility of hazardous reaction	S	
No addi	tional information available		
10.4.	Conditions to avoid		
Direct s	unlight. Air contact. Moisture.		
10.5.	Incompatible materials		
No addi	tional information available		
10.6.	Hazardous decomposition produ	cts	
	tional information available		
SECTIC	N 11: Toxicological information		
11.1.	Information on toxicological effe	cts	
Acute to	xicity	: Not classified	
Skin cor	rosion/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 Persistence and degradability 12.2. 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 additional information available **SECTION 14: Transport information** In accordance with ADR / RID / IMDG / IATA / ADN

UN-No. (ADR): Not applicableUN-No. (IMDG): Not applicableUN-No. (IATA): Not applicableUN-No. (ADN): Not applicableUN-No. (RID): Not applicable	14.1. UN number		
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	UN-No. (IATA)	: Not applicable	
UN-No. (RID) : Not applicable	UN-No. (ADN)	: Not applicable	
	UN-No. (RID)	: Not applicable	

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Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable
14.5. Environmental hazards
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

- 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 is not on the REACH Candidate List is not on the REACH Annex XIV List

15.1.2. National regulations

Germany

Reference to AwSV	:	Water hazard class (WGK) 1, Slightly hazardous to water (Classification according to AwSV; ID No. 6704)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
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

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.