SAFETY DATA SHEET



L-ARGININE BASE

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

1.1 Product identifier:	
CAS Number:	74-79-3
EC number:	200-322-1
1.2 SYNONYMS:	2-Amino-5- guanidinopentanoic acid
	 L-α-amino-δ-guanidinovaleric acid Arginine
	L-ArgL-Arginine

SECTION 2: Hazards identification:

2.1 Classification of the	Classification assording to
	Classification according to
substance or mixture:	Regulation (EC) No 1272/2008 The
	substance is not classified according
	to the CLP regulation.
	to the GE, regulation.
2.2 Label elements:	Labelling according to Regulation
	(EC) No 1272/2008
	None
Harand Dieta avansa	
Hazard Pictograms:	None
Signal Word:	None
Hazard statements:	None
Precautionary Statements:	P261: Avoid breathing dust.
	P264: Wash skin thoroughly after
	handling.
	P270: Do not eat, drink, or smoke
VOUD OUES	
YOUR CHEMI	when using this product.
	P302 + P352: IF ON SKIN: Wash with
	plenty of water.
	P305 + P351 + P338: IF IN EYES:
	Rinse cautiously with water for
	several minutes. Remove contact
	lenses, if present and easy to do.
	Continue rinsing.



	P405: Store locked up.
	P501: Dispose of contents/ container
	to an approved waste disposal plant.
2.3 Other hazards:	to arrapproved waste disposar plant.
Inhalation:	may cause respiratory irritation or
——— ECTI	discomfort, but it is generally
E911	considered non-hazardous under
	normal handling conditions.
Ingestion:	excessive intake may cause
	gastrointestinal discomfort, nausea,
	or diarrhea.
Skin Contact:	prolonged or repeated exposure
	may cause mild irritation in some
	individuals.
Eye contact:	may cause mild irritation, leading to
	redness or discomfort, but is not
	typically considered a serious
	hazard.
Chronic Exposure:	Chronic exposure to L-arginine,
	typically from high-dose
	supplementation, may lead to
	potential side effects such as
	gastrointestinal issues, altered blood
	pressure, or imbalances in
	electrolytes, though such effects are
	7
Aggravation of pro syleting	rare when used appropriately.
Aggravation of pre-existing conditions:	may aggravate pre-existing
conditions:	conditions such as asthma, low
	blood pressure, or kidney disorders,
	as it can affect blood flow and fluid
	balance, potentially exacerbating
	symptoms.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 74-79-3 L-ARGININE
	BASE
Identification number(s):	EC number: 200-322-1



SECTION 4: First aid measures

(1 Description of first aid	
4.1 Description of first aid measures	
medsures	
General information:	
After inhalation:	If breathed in, move person into
EQTI	fresh air. If not breathing, give
E0 I D	artificial respiration. Consult a
	physician.
After skin contact:	Remove contaminated clothing.
	Wash with soap and water. Consult
A Standard Control	a physician.
After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes.
	consult a physician.
	, ,
After swallowing:	Rinse mouth with water.
	Immediately after ingestion. If
	conscious, make victim drink two
	glasses at most immediately. Never give anything by mouth to an
	unconscious person. Do not induce
	vomiting. Consult a physician.
4.2 Most important symptoms	may include gastrointestinal
and effects, both acute and	discomfort, nausea, or diarrhea,
delayed:	while delayed effects are rare but
	could include potential changes in
	blood pressure or electrolyte
	imbalances with chronic high-dose
	use.
4.3 Indication of any immediate	Treat symptomatically.
medical attention and special	
treatment needed:	

SECTION 5: Firefighting measures

	Carbon dioxide. Water spray. Alcohol-resistant foam.
5.2 Special hazards arising from the substance or mixture:	Nitrogen oxides, carbon oxides.



5.3 Advice for firefighters:	Wear fully protective suit, safety
	glasses and respiratory device. Cool
	tanks/drums with water
	spray/remove them into safety.
5.4 further information:	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions,	Use personal protective
protective equipment and	equipment.
emergency procedures:	Avoid breathing vapors, mist or
	gas. Ensure adequate ventilation.
	Remove all sources of ignition.
	Evacuate personnel to safe areas.
	Beware of vapours accumulating
	to form explosive concentrations.
	Avoid dust accumulation. Seek
	medical attention.
6.2 Environmental precautions:	Do not enter this chemical into
	drains.
6.3 Methods and material for	Take up spill into absorbent
containment and cleaning up:	material, e.g.: sand, earth,
	vermiculite, powdered limestone.
	Scoop absorbed substance into
	closing containers. Spill must not
	return in its original container.
	Clean contaminated surfaces with
	an excess of water. Wash clothing
	and equipment after handling.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:	For use in are with adequate
	ventilation.
	Empty containers pose a fire risk,
	evaporate the residue under a
	fume hood. Ground all equipment
	containing material
	Do not use in confined spaces.
	Electrostatic discharge protection.



	Minimize dust generation and accumulation. Avoid ingestion and inhalation.
7.2 Conditions for safe storage, including any incompatibilities:	Store in original containers. Keep containers securely sealed Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Store in a dry and dark area. Do not handle in flammable atmospheres.
Requirements to be met by storerooms and receptacles:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
7.3 Specific end uses:	no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Additional information about	A system of local and general
design of technical facilities:	exhaust is recommended.
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good
	industrial hygiene and safety
	practice. Wash hands before
	breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks,
VOUD OUEMI	wearing anti chemical gloves,
VIIIIR I: H F M I	rubber gloves, etc.
General protective and hygienic	Eyes, body and hand protection,
measures:	maintain indoor air unobstructed.
	Wear protective equipment.
	Respiratory protection: Required.



Protection of hands:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	Eye protection: Required
Protection of Body:	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance: Form:	Crystalline powder
Colour:	White
Odour:	Odourless
pH-value:	9.5
Melting point/Melting range:	180°C
Boiling point/Boiling range:	Not determined
Flammability (solid, gaseous):	Non- flammable
Ignition temperature:	No data available
Decomposition temperature:	180°C
Self-igniting:	None
Flash point:	Not applicable
Danger of explosion:	None
Explosion limits: Lower:	Not applicable
Explosion limits: Upper:	Not applicable
Vapour pressure:	No data available
Density at 20 °C:	1.5 g/cm ³
Relative density:	1.5
Vapour density:	Not applicable
Evaporation rate:	Not applicable



Solubility in / Miscibility with-	Completely Soluble
·water at 20 °C:	
Partition coefficient:(n-	No data available
octanol/water)	
Viscosity:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity	Stable at room temperature.
10.2 Chemical stability	This chemical is stable under
	storage conditions.
10.3 Possibility of hazardous	No hazardous reaction known
reactions	
10.4 Conditions to avoid	High temperatures, open flames.
10.5 Incompatible materials	Strong oxidizing agents, strong
	acids and bases.
10.6 Hazardous decomposition	Nitrogen oxides.
products	

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat): no data available LD50 (Dermal, Rabbit): no data
	available
	LC50 (Inhalation Rat): no data
	available
Skin corrosion/Irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory damage/irritation:	No data available
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific target organ toxicity -	No data available
single exposure:	



Specific target organ toxicity -	No data available
repeated exposure:	
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological	
information	4070
Biodegradability:	Readily Biodegradable

SECTION 12: Ecological information

12.1 Toxicity	LC50(fish): 2.800 mg/l (96hr)
Aquatic toxicity:	EC50(daphnia): no data available
	ErC50(algae): no data available
12.2 Persistence and	Readily Biodegradable
degradability:	
12.3 Bioaccumulative potential:	Not bioaccumulative
12.4 Mobility in soil:	High mobility
12.5 Other adverse effects:	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging	dispose of in accordance with local
Recommendation:	hazardous waste regulations
Recommended cleansing agents:	Water, mild soap or detergent,
	isopropyl alcohol, PH neutral
	cleaners.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN, IMDG, IATA:	None DART E
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:	None
14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :	None
14.4 Packing group · ADR, IMDG, IATA:	None
14.5 Environmental hazards:	None



14.6 Special precautions for user:	Handle responsibly.
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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific	Directive 2012/18/EU, under that this substance is not classified in listed substance
for the substance or mixture Directive 2012/18/EU	
Named dangerous substances:	This substance is not listed in the
	annex 1 to the directive.
15.2 Chemical safety assessment:	Chemical assessment has not been
	carried out.

SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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