

Safety Data Sheet

according to Regulation (EC) No. 453/2010

AMINAT-G

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

1.1. Product identifier

Product name : AMINAT-G
Product code : 3473

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.
Use of the substance/mixture : Antimicrobial agent for cosmetics.

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

VEDEQSA, Venta de Especialidades Químicas, S.A.
C/ Géminis, 4
08228 Terrassa (Barcelona) - SPAIN
T +34 93-731-5094 - F +34 93-783-5887
registros@vedeqsa.com

1.4. Emergency telephone number

Emergency number : +34 93-736-1966 (-1972) (-1965 Factory); +34 91-562-0420 SIT

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Eye Dam. 1 H318

Full text of H-phrases: see section 16.

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R41

Full text of R-phrases: see section 16.



According to the European Standards
UNE-EN ISO 9001:2008

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) :

Danger

Hazardous ingredients :

ethyl N2-dodecanoyl-L-argininate hydrochloride

Hazard statements (CLP) :

H318 - Causes serious eye damage

Precautionary statements (CLP) :

P280 - Wear eye protection, protective gloves, face protection
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a doctor

No labelling applicable

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable.

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Glycerin	(CAS No) 56-81-5 (EC no) 200-289-5	c.s.p. 100	Not classified.
ethyl N2-dodecanoyl-L-argininate hydrochloride	(CAS No) 60372-77-2 (EC no) 434-630-6 (EC index no) 607-652-00-0 (REACH-no) 01-0000018076-71-0000	19-21	Xi; R41 N; R50

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Full text of R- and H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow victim to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after eye contact : Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Wash any residue left on the floor with pressurized water. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.
Storage temperature : 4 - 30 °C

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available.

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves
Eye protection : Chemical goggles or safety glasses
Respiratory protection : Wear appropriate mask



Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: No data available.
pH	: 3 - 5 (1% H ₂ O)
Relative evaporation rate (butylacetate=1)	: No data available.
Melting point	: No data available.
Freezing point	: No data available.
Boiling point	: Not applicable.
Flash point	: 120 °C (closed cup).
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available.
Relative vapour density at 20 °C	: No data available.
Relative density	: No data available.
Density	: 1,2 - 1,24 g/cm ³
Solubility	: Ethanol. Water: Complete.
Log Pow	: No data available.
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: 4000 - 6500 mPa.s
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosion limits	: No data available.

9.2. Other information

No additional information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Alkalis. Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Fumes. Carbon monoxide. Carbon dioxide. Nitrogen oxides. fume.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

ethyl N2-dodecanoyl-L-argininate hydrochloride (60372-77-2)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation : Not classified.
 Based on available data, the classification criteria are not met
 pH: 3 - 5 (1% H2O)

Serious eye damage/irritation : Causes serious eye damage.
 pH: 3 - 5 (1% H2O)

Respiratory or skin sensitisation : Not classified.
 Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified.
 Based on available data, the classification criteria are not met

Carcinogenicity : Not classified.
 Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified.
 Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified.
 Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified.
 Based on available data, the classification criteria are not met

Aspiration hazard : Not classified.
 Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : CL(E)50 Daphnia magna (48 h): 33 mg/L

ethyl N2-dodecanoyl-L-argininate hydrochloride (60372-77-2)	
EC50 Daphnia	6,54 mg/l 48h - Daphnia magna
LC50 fish	23,7 mg/l 96h - Danio rerio
ErC50 (algae)	0,461 mg/l 72h - Algae

12.2. Persistence and degradability

AMINAT-G	
Persistence and degradability	Ethyl N2-dodecanoyl-L-argininate hydrochloride: Biodegradation [%]: 89 (29 days modified sturm test). Not established.

ethyl N2-dodecanoyl-L-argininate hydrochloride (60372-77-2)	
Biodegradation	89 % (29 days modified sturm test)

12.3. Bioaccumulative potential

AMINAT-G	
Bioaccumulative potential	Not established.

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

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container at hazardous or special waste collection point.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

Not regulated for transport.

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.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable.

IMDG

Transport hazard class(es) (IMDG) : Not applicable.

IATA

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.

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Tunnel restriction code (ADR) : 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

Contains no substances with Annex XVII restrictions
Contains no REACH candidate substance.

Contains no REACH Annex XIV substances

Other information, restriction and : REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on cosmetic products.

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Data sources : REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on cosmetic products. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
H318	Causes serious eye damage
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
N	Dangerous for the environment
Xi	Irritant

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