

SDS Ref.: VID-01-3277 Version: 5.0

Revision date: 24/04/2017

Supersedes: 03/12/2015



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

MIRENAT-GA

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

1.1. **Product identifier**

Product name : MIRENAT-GA

Product code : 3631

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.

Use of the substance/mixture : Preservative for food products.

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier

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

Distributor

Vedeqsa Inc. 201 N. Forest Ave.

Independence MO 64050 - US

T+18163185111 info@vedeqsainc.com

1.4. **Emergency telephone number**

Emergency number : +34 93-736-1966 (-1972) (-1965 Factory)

SECTION 2: Hazards identification

Classification of the substance or mixture 2.1.

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

Eye Dam. 1 H318

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects Causes serious eye damage.





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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) : P305+P351+P338+P310 - IF IN EYES: 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

P280 - Wear eye protection, protective gloves, face protection

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|---------|--|
| 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 | Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 |

Full text of H-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

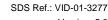
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after eye contact : Serious damage to eyes.



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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Special hazards arising from the substance or mixture 5.2.

Hazardous decomposition products in : Toxic fumes may be released.

case of fire

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-

contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For

further information refer to section 8: "Exposure controls/personal

protection".

6.2. **Environmental precautions**

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

: Take up liquid spill into absorbent material. Wash any residue left on the Methods for cleaning up

floor with pressurized water.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and

eyes. Wear personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place.

Incompatible products : Strong acids. Storage temperature : 4 - 30 °C

7.3. Specific end use(s)

See Heading 1.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Propane-1,2-diol (57-5 | 5-6) | |
|------------------------|-----------------|--|
| United Kingdom | Local name | Propane-1,2-diol |
| United Kingdom | WEL TWA (mg/m³) | 10 mg/m³ particulates 474 mg/m³ total vapour and particulates |
| United Kingdom | WEL TWA (ppm) | 150 ppm total vapour and particulates |

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Impermeable protective nitrile gloves. EN 374-1:2003. EN 420

Eye protection : Chemical goggles or face shield. EN 166:2001

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Filter AX (brown). EN 136:1998



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Transparent.

Colour : Colourless to light yellow.

Odour : Characteristic.

Odour threshold : No data available.

pH : 3 - 5 (1% H2O)

Relative evaporation rate: No data available.

(butylacetate=1)

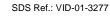
Melting point : Not applicable.

Freezing point : No data available.

Boiling point : Not applicable.

Flash point : 122 °C (opened cup)

Auto-ignition temperature : No data available.



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Decomposition temperature : No data available.

Flammability (solid, gas) : Not applicable.

Vapour pressure : No data available.

Relative vapour density at 20 °C : No data available.

Relative density : No data available.

Density : 1,02 - 1,06 g/cm³
Solubility : Glycerin. Ethanol.

Water: Complete.

Log Pow : No data available.

Viscosity, kinematic : No data available.

Viscosity, dynamic : < 150 mPa.s RV2, 50 RPM, 20°C

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

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Alkalis. Strong oxidizing agents.

10.6. Hazardous decomposition products

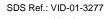
Fumes. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified.

Based on available data, the classification criteria are not met



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| 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

STOT-single exposure : Not classified.

Based on available data, the classification criteria are not met

STOT-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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause

long-term adverse effects in the environment.

| 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

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



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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

Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting

instructions.

Product/Packaging disposal: Dispose of this material and its container at hazardous or special waste

recommendations collection point.

SECTION 14: Transport information

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

14.1. **UN number**

Not regulated for transport.

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



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

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



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SECTION 16: Other information

Indication of changes:

| 1.2 | Use of the substance/mixture | Modified |
|-----|-------------------------------|----------|
| 8.2 | Personal protective equipment | Modified |
| 9.1 | Appearance | Added |
| 16 | Abbreviations and acronyms | Added |
| 16 | Other information | Added |

Data sources

: 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.

Abbreviations and acronyms:

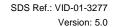
| | and administration | |
|-------|---|--|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways | |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road | |
| DNEL | Derived-No Effect Level | |
| EC50 | Median effective concentration | |
| IATA | International Air Transport Association | |
| IMDG | International Maritime Dangerous Goods | |
| LC50 | Median lethal concentration | |
| LD50 | Median lethal dose | |
| vPvB | Very Persistent and Very Bioaccumulative | |
| NOAEL | No-Observed Adverse Effect Level | |
| PBT | Persistent Bioaccumulative Toxic | |
| PNEC | Predicted No-Effect Concentration | |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail | |
| STP | Sewage treatment plant | |

Full text of H- and EUH-statements:

| 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 | |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Eye Dam. 1 H318 Calculation method |
|------------------------------------|
|------------------------------------|





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