

## SAFETY DATA SHEET

# VANILLYLMADELIC ACID - REAGENT 1

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMADELIC ACID - Reagent 1

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to criteria defined in directive 67/548/CEE and related updates : **the product doesn't contain any dangerous substance in considerable concentrations. The toxicological properties of this material have not been investigated. NOT DANGEROUS**

**CAS:** -

**CEE:** -

**MF:** -

### 3. HAZARDS INFORMATION

In accordance to European Directives 1999/45/CE, 2001/58/CE and 2001/59/CE, the product doesn't contain any dangerous substance in such concentrations to cause any risk or hazard to individuals and/or the environment. Follow normal precautions for chemical substances of human origin.

### 4. FIRST AID MEASURES

**Contact with skin:** wash immediately with water.

**Contact with eyes:** wash immediately with water.

**Inhalation:** move the patient away from the affected area and keep him at rest in a well aired room.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** water.

**Extinguishing media forbidden:** none.

**Combustion risk:** hazardous combustion gases do not break out in dangerous quantity.

**Protection equipment:** homologated respirator and proper protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** avoid the substance contact.

**Environment precautions:** disposal with an authorized incinerator.

### 7. HANDLING AND STORAGE

**Handling:** no particular requirement.

**Storage:** 2-8°C.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion, inhalation and contact.

**Storage conditions:** store the product at 2-8°C.

**Precautions:** safety protective mask and eye-glasses.

**Breathing protection:** not required.

**Hands protection:** rubber gloves.

**Eyes protection:** safety eye-glasses.

**Exposure limits of contained substances:** visor, overall and boots.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** liquid.

**Color:** colorless.

**Smell:** odorless.

**Ignition point:** not applicable.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** none.

**Substances to avoid:** not available.

**Decomposition hazards:** -.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation.

**Acute toxicity:** not available data.

**Chronic toxicity:** not available data.

**Sensitiveness:** not available considerations.

**Cancerogenesis:** not available considerations.

**Mutagenesis:** not available mutagenesis considerations on laboratory assays.

**Teratogenesis:** not available considerations.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not dangerous.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

Not subject to transport regulations for hazardous substances.

### 15. REGULATORY INFORMATION

Not required according to Directive 67/548/CE.

### 16. OTHER INFORMATION

The product is intended for in vitro use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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## SAFETY DATA SHEET

# VANILLYLMADELIC ACID - REAGENT 2

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMADELIC ACID - Reagent 2

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to criteria defined in directive 67/548/CEE and related updates : **the product doesn't contain any dangerous substance in considerable concentrations. The toxicological properties of this material have not been investigated. NOT DANGEROUS**

**CAS:** -

**CEE:** -

**MF:** -

### 3. HAZARDS INFORMATION

In accordance to European Directives 1999/45/CE, 2001/58/CE and 2001/59/CE, the product doesn't contain any dangerous substance in such concentrations to cause any risk or hazard to individuals and/or the environment. Follow normal precautions for chemical substances of human origin.

### 4. FIRST AID MEASURES

**Contact with skin:** wash immediately with water.

**Contact with eyes:** wash immediately with water.

**Ingestion:** seek medical device.

**Inhalation:** move the patient away from the affected area and keep him at rest in a well aired room.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** water.

**Extinguishing media forbidden:** none.

**Combustion risk:** hazardous combustion gases do not break out in dangerous quantity.

**Protection equipment:** homologated respirator and proper protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** avoid the substance contact.

**Environment precautions:** disposal with an authorized incinerator.

### 7. HANDLING AND STORAGE

**Handling:** no particular requirement.

**Storage:** 2-8°C.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion, inhalation and contact.

**Storage conditions:** store the product at 2-8°C.

**Precautions:** safety protective mask and eye-glasses.

**Breathing protection:** not required.

**Hands protection:** rubber gloves.

**Eyes protection:** safety eye-glasses.

**Exposure limits of contained substances:** visor, overall and boots.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** liquid.

**Color:** colorless.

**Smell:** odorless.

**Ignition point:** not applicable.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** none.

**Substances to avoid:** not available.

**Decomposition hazards:** -.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation.

**Acute toxicity:** not available data.

**Chronic toxicity:** not available data.

**Sensitiveness:** not available considerations.

**Cancerogenesis:** not available considerations.

**Mutagenesis:** not available mutagenesis considerations on laboratory assays.

**Teratogenesis:** not available considerations.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not dangerous.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

Not subject to transport regulations for hazardous substances.

### 15. REGULATORY INFORMATION

Not required according to Directive 67/548/CE.

### 16. OTHER INFORMATION

The product is intended for in vitro use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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## SAFETY DATA SHEET

# VANILLYLMADELIC ACID - REAGENT 3

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMADELIC ACID - Reagent 3

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to the criteria defined in the directive 67/548/CEE and related updates : **CARBONATED POTASSIUM 20% (p/p)**

**CAS:** 584-08-7

**CEE:** 2095293

**MF:** K<sub>2</sub>CO<sub>3</sub>

### 3. HAZARDS INFORMATION

Precautions written in the instruction sheet :  
Harmful.

### 4. FIRST AID MEASURES

**Contact with skin:** take contaminated clothes off and wash the affected skin area with water.

**Contact with eyes:** wash immediately with plenty of water for at least 15 minutes. Seek ophthalmologic device.

**Ingestion:** the patient should drink plenty of water. Seek medical device.

**Inhalation:** move the patient away from the contaminated area, keep at rest in a well airy place. Seek medical device.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** all.

**Extinguishing media forbidden:** none.

**Combustion risk:** the product is not combustible.

**Protection equipment:** wear self-contained breathing apparatus and proper protective equipments.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** wear proper protective equipment: self-contained breathing apparatus, rubber gloves and boots.

**Environment precautions:** disposal with an authorized incinerator.

**Cleaning procedure:** contain and absorb the spilled liquid with some sand or other inert absorbent material. Store in a proper container.

### 7. HANDLING AND STORAGE

See section 8.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion, contact and inhalation.

**Storage conditions:** store the product in a sealed container, away from heat sources. Keep away from acids and oxidizing agents.

**Room conditions:** rooms must be well airy and fresh.

**Precautions:** mask and safety protective eye-glasses.

**Breathing protection:** homologated respirator.

**Hands protection:** rubber gloves.

**Eyes protection:** safety eye-glasses.

**Skin protection:** visor, overall and boots.

**Exposure limits of contained substances:** -.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** liquid.

**Color:** white.

**Smell:** colorless.

**Ignition point:** -.

**Solubility:** soluble in water and in main organic solvents.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** -.

**Substances to avoid:** keep away from acids.

**Decomposition hazards:** it releases toxic smokes of CO and CO<sub>2</sub>.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation, contact.

**Acute toxicity:**

oral DL50: 1870 mg/Kg (rat) (like pure carbonated potassium).

Irritant for mucous membranes of respiratory tract.

**Chronic toxicity:** moderately harmful for prolonged exposures.

**Corrosiveness / Irritability for eyes:** irritant effect.

**Corrosiveness / Irritability for skin:** -

**Sensitiveness:** not available considerations.

**Cancerogenesis:** not available considerations.

**Mutagenesis:** not available mutagenesis considerations on laboratory assays.

**Teratogenesis:** not available considerations.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not available.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

**Road and train transportation:** RID/ADR: not dangerous.

**Sea transportation:** contact FAR for information.

**Air transportation:** contact FAR for information.

### 15. REGULATORY INFORMATION

**Classification and label in accordance with European regulations.**

**Danger symbol:** X.

Harmful.

**Sentences R:** 22-36

Harmful for ingestion. Irritant for eyes.

**Sentences S:** 22-26

Do not breath powders. In case of contact with eyes, wash immediately with plenty of water and seek medical device.

### 16. OTHER INFORMATION

The product is intended for in vitro diagnostic use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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## SAFETY DATA SHEET

# VANILLYLMANDELIC ACID - REAGENT 4

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMANDELIC ACID - Reagent 4

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to the criteria defined in the directive 67/548/CEE and related updates : **METAPERIDIUM SODIUM 99% (p/p)**

**CAS:** 7790-28-5

**CEE:** 2321976

**MF:** NaIO<sub>4</sub>

### 3. HAZARDS INFORMATION

Precautions written in the instruction sheet :  
Harmful.

### 4. FIRST AID MEASURES

**Contact with skin:** take contaminated clothes off and wash the affected skin area with water for at least 15 minutes. Seek medical device.

**Contact with eyes:** wash immediately with plenty of water for at least 15 minutes. Seek ophthalmologic device.

**Ingestion:** seek medical device.

**Inhalation:** move the patient away from the contaminated area, keep at rest in a well airy place. Seek medical device.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** spray water, foam extinguisher.

**Extinguishing media forbidden:** none.

**Combustion risk:** the contact with other products can cause a fire. It releases toxic smokes.

**Protection equipment:** wear self-contained breathing apparatus and proper protective equipments.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** wear proper protective equipment: self-contained breathing apparatus, rubber gloves and boots.

**Environment precautions:** disposal with an authorized incinerator.

**Cleaning procedure:** contain and absorb the spilled liquid with some sand or other inert absorbent material. Store in a proper container.

### 7. HANDLING AND STORAGE

See section 8.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion, contact and inhalation. Use only under cowl.

**Storage conditions:** store the product in a sealed container. Keep away from combustible material, heat sources, sparks and flames.

**Room conditions:** rooms must be well airy and fresh.

**Precautions:** mask and safety protective eye-glasses.

**Breathing protection:** homologated respirator.

**Hands protection:** rubber gloves.

**Eyes protection:** safety eye-glasses.

**Skin protection:** visor, overall and boots.

**Exposure limits of contained substances:** -.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** solid.

**Color:** white.

**Smell:** colorless.

**Ignition point:** -.

**Solubility:** -.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** the product is sensitive to humidity.

**Substances to avoid:** not compatible with organic products. It forms explosive mixtures with reducing agents, finely powdered metals, magnesium. Combustion or decomposition dangerous products: hydriodic acid.

**Decomposition hazards:** it releases toxic smokes.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation, contact.

**Acute toxicity:**

oral DL50 ipr.: 58 mg/Kg (rat).

It causes irritation to eyes and skin. It irritates mucous membranes and respiratory tract.

**Chronic toxicity:** -.

**Corrosiveness / Irritability for eyes:** it causes irritation.

**Corrosiveness / Irritability for skin:** irritant effect.

**Sensitiveness:** not available considerations.

**Cancerogenesis:** not available considerations.

**Mutagenesis:** not available mutagenesis considerations on laboratory assays.

**Teratogenesis:** not available considerations.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not available.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

**Road and train transportation:** contact FAR for information.

**Sea transportation:** contact FAR for information.

**Air transportation:** contact FAR for information.

### 15. REGULATORY INFORMATION

**Classification and label in accordance with European regulations.**

**Danger symbol:** X.

Harmful.

**Sentences R:** 8-20/22-36/37/38

It may cause ignition of combustible materials. Harmful if inhaled and ingested. Irritant for eyes, respiratory system and skin.

**Sentences S:** 17-26-36

Keep away from combustible substances. In case of contact with eyes, wash immediately with plenty of water and seek medical device. Wear proper protective equipment.

### 16. OTHER INFORMATION

The product is intended for in vitro diagnostic use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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## SAFETY DATA SHEET

# VANILLYLMADELIC ACID - REAGENT 5

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMADELIC ACID - Reagent 5

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to the criteria defined in the directive 67/548/CEE and related updates : **METABISULPHITE SODIUM 99% (p/p)**

**CAS:** 7681-57-4

**CEE:** 2316730

**MF:** Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>

### 3. HAZARDS INFORMATION

Precautions written in the instruction sheet :  
Irritant.

### 4. FIRST AID MEASURES

**Contact with skin:** take contaminated clothes off and wash the affected skin area with water for at least 15 minutes. Seek medical device.

**Contact with eyes:** wash immediately with plenty of water for at least 15 minutes. Seek ophthalmologic device.

**Ingestion:** seek medical device.

**Inhalation:** move the patient away from the contaminated area, keep at rest in a well airy place. Seek medical device.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** not combustible substance. Use extinguishing media compatible with substances present near by.

**Extinguishing media forbidden:** all.

**Combustion risk:** for decomposition it releases sulphur dioxide toxic smokes.

**Protection equipment:** wear self-contained breathing apparatus and proper protective equipments.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** wear proper protective equipment: self-contained breathing apparatus, rubber gloves and boots.

**Environment precautions:** disposal with an authorized incinerator.

**Cleaning procedure:** contain and absorb the spilled liquid with some sand or other inert absorbent material. Store in a proper container.

### 7. HANDLING AND STORAGE

See section 8.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion, contact and inhalation.

**Storage conditions:** store the product in a sealed container to avoid SO<sub>2</sub> formation and accumulation. In iron containers the metal is etched, in presence of humidity. Keep away from acids. The product is sensitive to humidity.

**Room conditions:** rooms must be well airy and fresh.

**Precautions:** mask and safety protective eye-glasses.

**Breathing protection:** homologated respirator.

**Hands protection:** rubber gloves.

**Eyes protection:** safety eye-glasses.

**Skin protection:** visor, overall and boots.

**Exposure limits of contained substances:** 5 mg/ m<sub>3</sub>.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** solid.

**Color:** white.

**Smell:** colorless.

**Ignition point:** -.

**Fusion point:** 152°C with decomposition.

**Solubility:** soluble in water and in glycerol, little soluble in ethylic alcohol.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** the product is sensitive to humidity.

**Substances to avoid:** not compatible with strong acids. In mixture with nitrite sodium it origins an exothermic energetic reaction.

**Decomposition hazards:** when heated, it decomposes and releases sulphur dioxide toxic smokes.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation.

**Acute toxicity:**

oral DL50 : 192 mg/Kg (rabbit).

The ingestion causes abdominal colic.

**Chronic toxicity:** not available considerations.

**Corrosiveness / Irritability for eyes:** it causes irritation.

**Corrosiveness / Irritability for skin:** irritant effect.

**Sensitiveness:** not available considerations.

**Cancerogenesis:** not available considerations.

**Mutagenesis:** not available mutagenesis considerations on laboratory assays.

**Teratogenesis:** not available considerations.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not available.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

**Road and train transportation:** RID/ ADR : not dangerous.

**Sea transportation:** contact FAR for information.

**Air transportation:** contact FAR for information.

### 15. REGULATORY INFORMATION

**Classification and label in accordance with European regulations.**

**Danger symbol:** Xi.

Irritant.

**Sentences R:** 36/37

Irritant for eyes and respiratory system.

**Sentences S:** 26-36

In case of contact with eyes, wash immediately with plenty of water and seek medical device. Wear proper protective equipment.

### 16. OTHER INFORMATION

The product is intended for in vitro diagnostic use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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## SAFETY DATA SHEET

# VANILLYLMADELIC ACID - REAGENT 6

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMADELIC ACID - Reagent 6

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to the criteria defined in the directive 67/548/CEE and related updates : **ETHYLIC ALCOHOL 95% (p/p)**

**CAS:** 64-17-5

**CEE:** 2005786

**MF:** C<sub>2</sub>H<sub>5</sub>OH

### 3. HAZARDS INFORMATION

Precautions written in the instruction sheet :  
Flammable.

### 4. FIRST AID MEASURES

**Contact with skin:** take contaminated clothes off and wash the affected skin area with water. Seek medical device.

**Contact with eyes:** wash immediately with plenty of water.

**Ingestion:** apply gastric lavage and then saline purification. Seek medical device.

**Inhalation:** move the patient away from the contaminated area, keep at rest in a well airy place. Seek medical device.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** powder extinguisher, alcohol proof foam extinguisher, carbon dioxide extinguisher.

**Extinguishing media forbidden:** none.

**Combustion risk:** it releases toxic smokes of CO<sub>2</sub> and CO.

**Protection equipment:** wear self-contained breathing apparatus and proper protective equipments.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** wear proper protective equipment: self-contained breathing apparatus, rubber gloves and boots.

**Environment precautions:** disposal with an authorized incinerator.

**Cleaning procedure:** collect the leaked liquid in sealed containers. Contain and absorb the spilled liquid with some earth, sand or other inert absorbent material. Keep away from any ignition source.

### 7. HANDLING AND STORAGE

See section 8.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion and inhalation.

**Storage conditions:** store the product at 2-8°C.

**Room conditions:** rooms must be well airy and fresh.

**Precautions:** mask and safety protective eye-glasses.

**Breathing protection:** homologated respirator.

**Hands protection:** rubber gloves.

**Eyes protection:** safety eye-glasses.

**Skin protection:** visor, overall and boots.

**Exposure limits of contained substances:** 1000 ppm.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** liquid.

**Color:** colorless.

**Smell:** typical.

**Ignition point:** 12°C.

**Fusion point :** -114°C.

**Boiling point :** 78.5°C.

**Solubility:** soluble in water and in organic solvents.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** contact with heat sources.

**Substances to avoid:** it reacts with alkaline metals and releases hydrogen, highly flammable gas.

**Decomposition hazards:** thermic decomposition may release toxic smokes of CO<sub>2</sub> and CO.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation.

**Acute toxicity:**

oral DL50 : 7060 mg/Kg (rat).

In man for exposures to high vapour concentrations: light irritation to nose and eyes, heat sensation, loquacity, headache, sight troubles, nausea, vomit, dizziness, sleepiness, soporific state.

**Chronic toxicity:** irritation to mucous membranes and upper respiratory tract, headache, nervousness, dizziness, tremors, fatigue, nausea, effects on concentration and awareness skills, optic nerve alterations.

**Corrosiveness / Irritability for eyes:** for high vapour concentrations: conjunctival irritation.

**Corrosiveness / Irritability for skin:** for repeated contact : lightly considerable irritant effect.

**Sensitiveness:** not available considerations.

**Cancerogenesis:** not available considerations.

**Mutagenesis:** not available considerations.

**Teratogenesis:** not available considerations.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not available.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

**Road and train transportation:** contact FAR for information.

**Sea transportation:** contact FAR for information.

**Air transportation:** contact FAR for information.

### 15. REGULATORY INFORMATION

**Classification and label in accordance with European regulations.**

**Danger symbol:** F.

Flammable.

**Sentences R:** 11

Easily flammable.

**Sentences S:** 7-16

Store in a sealed container, away from flames and sparks. Do not smoke.

### 16. OTHER INFORMATION

The product is intended for in vitro diagnostic use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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## SAFETY DATA SHEET

# VANILLYLMADELIC ACID - CHROMATOGRAPHIC COLUMNS

### 1. PRODUCT AND COMPANY IDENTIFICATIONS

**Product name:** VANILLYLMADELIC ACID - Chromatographic columns

**Ref:** 3626

**Intended use:** reagent for in vitro diagnostic use.

**Manufacturer:** FAR S.r.l., via Fermi 12, Pescantina (VERONA) - ITALY

**Emergency phone number:** +39 045 6700870

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Dangerous substances according to criteria defined in directive 67/548/CEE and related updates : **the product doesn't contain any dangerous substance in considerable concentrations. The toxicological properties of this material have not been investigated. NOT DANGEROUS**

**CAS:** -

**CEE:** -

**MF:** -

### 3. HAZARDS INFORMATION

In accordance to European Directives 1999/45/CE, 2001/58/CE and 2001/59/CE, the product doesn't contain any dangerous substance in such concentrations to cause any risk or hazard to individuals and/or the environment. Follow normal precautions for chemical substances of human origin.

### 4. FIRST AID MEASURES

**Contact with skin:** wash with water.

**Contact with eyes:** wash with water.

**Inhalation:** not applicable.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media recommended:** no restriction.

**Extinguishing media forbidden:** none.

**Combustion risk:** hazardous combustion gases do not break out in dangerous quantity.

**Protection equipment:** not required.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** avoid the substance contact.

**Environment precautions:** disposal with an authorized incinerator.

### 7. HANDLING AND STORAGE

**Handling:** no particular requirement.

**Storage:** 2-8°C.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Handling precautions:** avoid ingestion, inhalation and contact.

**Storage conditions:** store the product at 2-8°C.

**Precautions:** safety protective mask and eye-glasses.

**Breathing protection:** not required.

**Hands protection:** not required.

**Eyes protection:** not required.

**Exposure limits of contained substances:** not available.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (form):** solid + liquid.

**Color:** orange-brown / colorless.

**Smell:** odorless.

**Ignition point:** not applicable.

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** none.

**Substances to avoid:** not available.

**Decomposition hazards:** plastic parts may generate harmful decomposition products and gas. In case of fire, use safety protective mask and filters.

### 11. TOXICOLOGICAL INFORMATION

**Penetration ways:** ingestion, inhalation.

**Acute toxicity:** not available data.

**Chronic toxicity:** not available data.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not dangerous.

**Further environmental data:** see above.

### 12. ECOLOGICAL INFORMATION

**Evaluation on eventual environmental effect:** not dangerous.

**Further environmental data:** see above.

### 13. DISPOSAL CONSIDERATIONS

**Disposal method:** by an authorized incinerator.

**Disposal of contaminated container:** by an authorized incinerator.

### 14. TRANSPORT INFORMATION

Not subject to transport regulations for hazardous substances.

### 15. REGULATORY INFORMATION

Not required according to Directive 67/548/CE.

### 16. OTHER INFORMATION

The product is intended for in vitro use only. The information herein contained are correct, but can not be considered exhaustive and have to be followed as purely indicative. FAR must not be considered responsible for any danger caused from the use or contact of the above product.

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