

SAFETY DATA SHEET

ALA – PBG - REAGENT 1

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA-PBG - Reagent 1

Ref: 3605

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 use.

4. FIRST AID MEASURES

Contact with skin: wash with water.

Contact with eyes: wash with water.

Ingestion: seek medical device.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: avoid 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.

Breathing protection: not required.

Hands protection: rubber gloves.

Eyes protection: not required.

Exposure limits of contained substances: not available.

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.

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.

Issue 01 - Sep 2006 RR



Manufactured by: **FAR** srl

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SAFETY DATA SHEET

ALA – PBG - REAGENT 2

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA- PBG - Reagent 2

Ref: 3605

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 : **2,4 -PENTANDIONE 100% (p/p)**

CAS: 123-54-6

CEE: 2046340

MF: C₅H₈O₂

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.

Contact with eyes: wash immediately with water for at least 15 minutes.

Ingestion: in case of ingestion, rinse the mouth with water if the patient is conscious. Seek medical device.

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

5. FIRE FIGHTING MEASURES

Extinguishing media recommended: powder extinguisher, foam extinguisher, CO₂ extinguisher.

Extinguishing media forbidden: none.

Combustion risk: it releases toxic smokes. Vapours may form explosive mixtures with the air.

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, safety eye-glasses. Keep away any ignition source.

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 sealed containers, away from heat sources.

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: colorless or light yellow.

Smell: typical.

Ignition point: 34°C.

Fusion point: -23.5°C.

Boiling point : 1403.5°C.

Self-ignition temperature: 340°C.

Solubility: soluble in about 8 parts of water, soluble in main organic solvents.

10. STABILITY AND REACTIVITY

Conditions to avoid: avoid the contact with strong oxidizers, strong reducers and halogens. Vapours may form explosive mixtures with the air.

Substances to avoid: it reacts with strong oxidizers, strong reducers and halogens.

Decomposition hazards: it releases toxic smokes of CO and CO₂.

11. TOXICOLOGICAL INFORMATION

Penetration ways: ingestion, inhalation.

Acute toxicity:

oral DL50: 55 mg/Kg (rat).

For exposures to high vapour concentrations: nausea and headache.

Chronic toxicity: injured organs: thymus, nerves.

Corrosiveness / Irritability for eyes: for direct contact of liquid in rabbit eye: irritant effect.

Corrosiveness / Irritability for skin: it causes skin irritation. It can be harmful if adsorbed by skin.

Sensitiveness: light reaction with sensitiveness in cavies.

Carcinogenesis: 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: class 3.31°C.

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: 10-22

Flammable. Harmful for ingestion.

Sentences S: 21-23-24/25

Do not smoke during utilization. Do not breath vapours. Avoid the contact with eyes or skin.

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

ALA – PBG - REAGENT 3/A

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA - PBG - Reagent 3/A
Ref: 3605
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 : **p-DIMETHYLAMINO BENZALDEHYDE 100%(p/p)**
CAS: 100-10-7
CEE: 2028190
MF: C₉H₁₁NO

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 and seek medical device.
Contact with eyes: wash immediately with plenty of water. Seek medical device.
Ingestion: rinse the mouth with 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: spray water, powder extinguisher, foam extinguisher, CO₂ extinguisher.
Extinguishing media forbidden: none.
Combustion risk: the product 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: clean, collect in a bag and store until disposal. Avoid to lift powders. Collect the leaked product and then air the contaminated area.

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 sealed containers, away from oxidizing substances. Protect from light.
Room conditions: rooms must be well airy and fresh.
Precautions: anti-solvent 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: lemon yellow.
Smell: -.
Ignition point: 117,77°C.
Boiling point : 176°C.
Solubility: lightly soluble in water, soluble in alcohol, ether, chloroform and acetic acid.

10. STABILITY AND REACTIVITY

Conditions to avoid: avoid the contact with strongly oxidizing agents, if exposed to the light it may fade.
Substances to avoid: it reacts with oxidizing substances.
Decomposition hazards: it releases toxic smokes of CO and NO_x, CO₂.

11. TOXICOLOGICAL INFORMATION

Penetration ways: ingestion, inhalation, contact with skin.
Acute toxicity:
intrap. DL50: 620 (rat).
Chronic toxicity: -.
Corrosiveness / Irritability for eyes: it may cause irritation.
Corrosiveness / Irritability for skin: 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: X.
Harmful.
Sentences R: 22-36/37/38
Harmful for ingestion. Irritant for eyes, respiratory system and skin.
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

ALA – PBG - REAGENT 3/B

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA - PBG - Reagent 3/B

Ref: 3605

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 : **GLACIAL ACETIC ACID > 90%(p/p)**

CAS: 64-19-7

CEE: 2005807

MF: CH₃COOH

3. HAZARDS INFORMATION

Precautions written in the instruction sheet:
Corrosive.

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 for 15 minutes. Seek medical device.

Ingestion: the patient should drink plenty of water to dilute gastric contents. Do not induce vomit. 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, powder extinguisher, foam extinguisher, CO₂ extinguisher.

Extinguishing media forbidden: none.

Combustion risk: 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: none.

Cleaning procedure: collect the liquid in sealed containers. Contain and adsorb the leaked liquid with soil, sand or other inert adsorbent materials. Air the room and wash the contaminated area with water.

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 sealed containers, away from heat sources. Store away from sunlight. Protect from bumps.

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: 10 ppm=25 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (form): liquid.

Color: colorless.

Smell: pungent.

Solubility: soluble in water and in alcohol.

Fusion point: 16.6°C.

Boiling point: 118.1°C.

Ignition point: 43°C.

Self ignition temperature: 565°C.

10. STABILITY AND REACTIVITY

Conditions to avoid: particularly dangerous the contact with chromic acid, nitric acid and sodium peroxide.

Substances to avoid: it violently reacts with oxidizing substances. Particularly dangerous the contact with chromic acid, nitric acid and sodium peroxide.

Decomposition hazards: it releases toxic smokes of CO and CO₂.

11. TOXICOLOGICAL INFORMATION

Penetration ways: ingestion, inhalation, contact.

Acute toxicity:

intrap. DL50: 3530 mg/Kg (rat).

The inhalation causes severe injuries to mucous membranes of nose, throat and lungs with breathing problems which may occur even later.

The ingestion of the concentrated solution may lead to severe injuries up to death.

Chronic toxicity: prolonged and repeated exposures may cause irritations to skin, tooth enamel corrosion, chronic inflammation of nose, throat and bronchus.

Corrosiveness / Irritability for eyes: in severe cases, irreversible lesions with sight loss.

Corrosiveness / Irritability for skin: it causes severe burns.

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: RID/ADR: class 8.32b.

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: C.

Corrosive.

Sentences R: 10-35

It causes severe burns. Inflammable.

Sentences S: 2-23-26

Store away from children reach. Do not inhale vapours. 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

ALA – PBG - REAGENT 3/C

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA - PBG - Reagent 3/C

Ref: 3605

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 : **PERCHLORIC ACID 70%(p/p)**

CAS: 7601-90-3

CEE: 2315124

MF: HClO₄

3. HAZARDS INFORMATION

Precautions written in the instruction sheet::

Corrosive and combusive.

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. Seek ophthalmologist device.

Ingestion: do not administer liquids. Do not induce vomit. 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: water, CO₂ extinguisher.

Extinguishing media forbidden: none.

Combustion risk: it releases toxic smokes in case of fire.

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 adsorb the leaked liquid with sand or vermiculite, store in a proper container. Air the room and wash the contaminated area with water.

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 sealed containers 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: -.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (form): liquid.

Color: colorless.

Smell: odorless.

Ignition point: 109°C.

Boiling point: 203°C.

Fusion point: -18°C.

Percentage volatility: 100%.

10. STABILITY AND REACTIVITY

Stability: stable.

Conditions to avoid: keep away from flammable and combusive substances, from highly dehydrating substances, from oxidizers, from reducers, from alkali.

Substances to avoid: strong bases, strong acids, amines, phosphorous halides, anhydrides, alcohols, organic products, finely powdered metals, strongly reducing agents.

Decomposition hazards: it releases toxic smokes of CO and CO₂.

11. TOXICOLOGICAL INFORMATION

Penetration ways: ingestion, inhalation, contact.

Acute toxicity:

oral DL50: 1100 mg/Kg (rat).

The product seriously injures mucous membranes and upper respiratory tract, as well as eyes and skin. The inhalation may cause spasm, larynx and bronchus inflammation and edema, chemical pneumonia and lung edema.

Chronic toxicity: -.

Corrosiveness / Irritability for eyes: strong caustic: lesions of variable seriousness depending on contact time.

Corrosiveness / Irritability for skin: strong caustic: lesions of variable seriousness depending on contact time.

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: C-O.

Corrosive. Combustive.

Sentences R: 5-8-35

Explosion dangers for heating. It may cause the ignition of combusive material. It may cause severe burns.

Sentences S: 23-26-36-45

Do not inhale gas. In case of contact with eyes, flush 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.

Issue 01 - Sep 2006 RR



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SAFETY DATA SHEET

ALA – PBG - REAGENT 4

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA - PBG - Reagent 4

Ref: 3605

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 use.

4. FIRST AID MEASURES

Contact with skin: wash with water.

Contact with eyes: wash with water.

Ingestion: seek medical device.

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: avoid 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.

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): 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.

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

ALA – PBG - REAGENT 5

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA - PBG - Reagent 5

Ref: 3605

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 : **ACETIC ACID 5%(p/p)**

CAS: 64-19-7

CEE: 2005807

MF: CH₃COOH

3. HAZARDS INFORMATION

Precautions written in the instruction sheet:
Corrosive.

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 for 15 minutes. Seek medical device.

Ingestion: the patient should drink plenty of water to dilute gastric contents. Do not induce vomit. 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, powder extinguisher, foam extinguisher, CO₂ extinguisher.

Extinguishing media forbidden: none.

Combustion risk: the product 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: collect the leaked liquid in sealed containers. Contain and adsorb the leaked liquid with soil, sand or other inert adsorbent material. Air the room and wash the contaminated area with water. Vapours and smokes can cause explosive mixtures and toxic atmosphere.

7. HANDLING AND STORAGE

See section 8.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Handling precautions: avoid ingestion, contact 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: 10 ppm in CH₃COOH.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (form): liquid.

Color: colorless.

Smell: pungent.

Ignition point: not applicable.

Solubility: soluble in water and in alcohol.

10. STABILITY AND REACTIVITY

Conditions to avoid: it strongly reacts with oxidizing substances. Particularly dangerous the contact with chromic acid, nitric acid and sodium peroxide.

Decomposition hazards: it releases toxic smokes of CO and CO₂.

11. TOXICOLOGICAL INFORMATION

Penetration ways: ingestion, inhalation, contact.

Acute toxicity:

oral DL50: 3530 of CH₃COOH mg/Kg (rat).

The inhalation causes severe injuries to mucous membranes of nose, throat and lungs with breathing problems which may occur even later.

The ingestion of the concentrated solution may lead to severe injuries up to death.

Chronic toxicity: prolonged and repeated exposures may cause irritations to skin, tooth enamel corrosion, chronic inflammation of nose, throat and bronchus.

Corrosiveness / Irritability for eyes: highly irritant.

Corrosiveness / Irritability for skin: it causes severe burns.

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: RID/ADR: class 8.32b°.

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: C.

Corrosive.

Sentences R: 10-35

It causes severe burns.

Sentences S: 2-23-26

Store away from children reach. Do not inhale vapours. In case of contact with eyes, flush 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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Manufactured by: **FAR** srl

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SAFETY DATA SHEET

ALA – PBG - CHROMATOGRAPHIC COLUMNS

1. PRODUCT AND COMPANY IDENTIFICATIONS

Product name: ALA - Chromatographic columns

Ref: 3605

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 use.

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 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.

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 / 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 release harmful decomposition products and gases. In case of fire, use 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.

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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