



# JBL PROAQUATEST LAB Marin

Professional test case for marine water analysis

Suitable for:



- Monitors the water values in marine aquariums simply and reliably. Determines: pH value, carbonate hardness, calcium, magnesium, copper, ammonium, nitrite, nitrate, phosphate, silicate, oxygen
- Easy to use: add water to cuvette, add indicator, compare on scale / count drops until colour changes
- Comparator system takes the inherent water colouring into account. Incl. water analysis report sheets & pen
- Childproof reagent bottles, waterproof plastic case, refill reagents separately available
- Package contents: 1 test case, incl. 29 reagents, 12 glass vials, 2 plastic cuvettes, 2 syringes, 3 measuring spoons, thermometer, pen, report sheets and analysis sheet, laboratory comparator system & detailed instruction for use



# JBL PROAQUATEST LAB Marin

## Spare parts



JBL component set for water tests



JBL Testlab empty + inserts



JBL PROAQUATEST range colour charts



# JBL PROAQUATEST LAB Marin



## Product information

Don't guess - measure:

Get a regular update on whether all the important water values in your marine aquarium are OK or whether there is a need for action to correct values that are developing in the wrong direction. If problems arise (sick fish, invertebrates not growing, algae problems) water analyses are really the only way to get to the bottom of it! Once the tests have helped you find the underlying cause, you can start to correct it.

The following tests are included in the test case:

pH test: acidity of the water from 7.4 to 9.0

O2 test: determination of the oxygen content

KH test: pH stability of the water (carbonate hardness)

PO4 test: determination of the phosphate content (reason for algae growth and plant nutrient)

Test NH4 / NH3: indication of non-toxic ammonium, determination of the toxic ammonia using table

NO2 test: determination of nitrogen compound nitrite, which is toxic for the fish

NO3-Test: determination of the nitrate content (reason for algae growth)

Cu Test: heavy metal deadly for invertebrates. Also important for adjusting the therapeutic dose of medications

SiO2 test: determination of the silicates (silicic acid) as cause for diatoms

Ca test: determination of the calcium content in marine aquariums. Needs to be between 400 and 440 mg/l for healthy coral growth


Mg/Ca test: determination of magnesium and calcium content in marine water aquariums. The magnesium content needs to be between 1200 and 1600 mg/l. During the procedure, first the Mg content is tested and then the Ca content. Subsequently, the value of the Ca content is subtracted from the Mg content and this is then the actual Mg content of the water.

The following tests are available as supplements:

pH test: acidity of the water from 3.0 to 10

pH test: acidity of the water from 6.0 to 7.6

Almost all test reagents are available as environmentally friendly refill packs!

| Further information   |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------|
| FAQ                   | ✓                                                                                   |
| Blog                  | ✓                                                                                   |
| Press                 | ✓                                                                                   |
| Laboratory/calculator | ✗                                                                                   |
| Worth reading         | ✓                                                                                   |
| Spare parts           | ✓                                                                                   |
| Video                 | ✓                                                                                   |
| GarantiePlus          | ✗                                                                                   |
| Instructions          | ✓                                                                                   |
| QR code               |  |





# JBL PROAQUATEST LAB Marin



## Product details

| Article data             |                                                                                   |
|--------------------------|-----------------------------------------------------------------------------------|
| Product name             | JBL PROAQUATEST LAB Marin                                                         |
| Art. No.                 | 2408200                                                                           |
| EAN number               | 4014162240828                                                                     |
| EAN as barcode           |  |
| Content                  | 11 tests                                                                          |
| -                        | -                                                                                 |
| Expiry months            | 24                                                                                |
| RRP incl. VAT            | 132,13 €                                                                          |
| Base price               | -                                                                                 |
| Nominal filling quantity | -                                                                                 |
| Base quantity            | 1                                                                                 |
| Gross weight             | 1562 g                                                                            |
| Net weight               | 1270 g                                                                            |
| Weight change            | -                                                                                 |

| Disposal                |                           |
|-------------------------|---------------------------|
| Product name            | JBL PROAQUATEST LAB Marin |
| Art. No.                | 2408200                   |
| Green dot               | ✓                         |
| Group electronic waste  | -                         |
| Disposal weight         | -                         |
| Battery type            | -                         |
| Battery return          | -                         |
| Battery rechargeable    | -                         |
| Disposal weight battery | -                         |
| Non-returnable glass    | 42 g                      |
| PPK                     | -                         |
| Plastic small           | 250 g                     |
| Plastic large           | -                         |
| Disposal weight metal   | 0 g                       |

| Features          |                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Product name      | JBL PROAQUATEST LAB Marin                                                                                                          |
| Art. No.          | 2408200                                                                                                                            |
| Animal species    | Corals, Gobies, Snails                                                                                                             |
| Animal size       | For all animal sizes                                                                                                               |
| Animal age group  | All aquarium fish                                                                                                                  |
| Volume of habitat | -                                                                                                                                  |
| Material          | Reagent(s) in plastic bottle(s) and/or glass bottle(s) + plastic and/or glass accessories. REFILL: reagent(s) without accessories. |





| Features             |                             |
|----------------------|-----------------------------|
| Food type            | -                           |
| Colour               | white / transparent / black |
| Dosage               | See instructions            |
| Transport conditions | -                           |





# JBL PROAQUATEST LAB Marin

| Electronic label / illuminant |                           |
|-------------------------------|---------------------------|
| Product name                  | JBL PROAQUATEST LAB Marin |
| Art. No.                      | 2408200                   |
| Ambient temperature           | -                         |
| Start time                    | -                         |
| Mercury                       | -                         |
| Tube length                   | -                         |
| Service life                  | -                         |
| Lumen                         | -                         |
| CRI value                     | -                         |
| Dimmable                      | -                         |
| Switching cycles              | -                         |
| PAR value                     | -                         |
| Energy efficiency class       | -                         |
| UV-A                          | -                         |
| UV-B                          | -                         |
| UV-C                          | -                         |
| Colour temperature            | -                         |
| Base designation              | -                         |

| Technical data                |                           |
|-------------------------------|---------------------------|
| Product name                  | JBL PROAQUATEST LAB Marin |
| Art. No.                      | 2408200                   |
| Range in litres               | -                         |
| Range from - to               | -                         |
| Range in days                 | -                         |
| Range tank length             | -                         |
| Output in watts               | -                         |
| Output per hour               | -                         |
| Output per day                | -                         |
| Height                        | 318 mm                    |
| Length                        | 382 mm                    |
| Width                         | 85 mm                     |
| Diameter                      | -                         |
| Voltage                       | -                         |
| For                           | -                         |
| T8 26mm (watt)                | -                         |
| T5 16mm (watt)                | -                         |
| Size                          | -                         |
| Content for                   | -                         |
| Filter container volume       | -                         |
| Volume filter media           | -                         |
| Hose connections pressure/out | -                         |
| Hose connections suction/in   | -                         |
| Delivery head                 | -                         |





# JBL PROAQUATEST LAB Marin

|                  |                  |
|------------------|------------------|
| Food type        | -                |
| Sub product type | -                |
| Dosing           | See instructions |





# JBL PROAQUATEST LAB Marin

## Safety information

| JBL ProAquaTest Lab Marin - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                                           | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hazard symbol                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Risk phrase                                                           | <p>EUH031: Contact with acids liberates toxic gas.<br/>                     EUH208: Contains <math>\text{H}_2\text{O}_2</math>. May produce an allergic reaction.<br/>                     H225: Highly flammable liquid and vapour.<br/>                     H302: Harmful if swallowed.<br/>                     H314: Causes severe skin burns and eye damage.<br/>                     H317: May cause an allergic skin reaction.<br/>                     H318: Causes serious eye damage.<br/>                     H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br/>                     H335: May cause respiratory irritation.<br/>                     H341: Suspected of causing genetic defects.<br/>                     H373: May cause damage to organs through prolonged or repeated exposure.<br/>                     H400: Very toxic to aquatic life.<br/>                     H411: Toxic to aquatic life with long lasting effects.</p> |
| safety note                                                           | <p>P101: If medical advice is needed, have product container or label at hand.<br/>                     P102: Keep out of reach of children.<br/>                     P103: Read carefully and follow all instructions.<br/>                     P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br/>                     P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br/>                     P501a: Dispose of contents/container in accordance with local regulations.</p>                                                                                                                                                                                                                                                                                                                                      |
| Hazard-determining component                                          | <p>121-57-3: sulphanilic acid<br/>                     1310-58-3: potassium hydroxide<br/>                     1310-73-2: sodium hydroxide<br/>                     1336-21-6: ammonia<br/>                     137-09-7/1: Amidol<br/>                     137-09-7/2: Amidol<br/>                     541-69-5: m-phenylenediamine dihydrochloride<br/>                     60-00-4: edetic acid<br/>                     64-19-7: Acetic acid<br/>                     67-63-0: propan-2-ol<br/>                     7647-01-0/1: hydrogen chloride<br/>                     7664-93-9: sulphuric acid<br/>                     7681-52-9/1: sodium hypochlorite, solution<br/>                     7773-01-5/1: manganese dichloride</p>                                                                                                                                                                                                                                                     |

## JBL PROAQUATEST pH 7.4-9.0

| JBL pH 7.4-9.0 - safety information in accordance with GHS |                                                                                                         |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Signal word                                                | Warning                                                                                                 |
| Hazard symbol                                              |                                                                                                         |
| Risk phrase                                                | <p>H226: Flammable liquid and vapour.<br/>                     H319: Causes serious eye irritation.</p> |











| JBL pH 7.4-9.0 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| safety note                                                | <p>P101: If medical advice is needed, have product container or label at hand.<br/>                     P102: Keep out of reach of children.<br/>                     P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br/>                     P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br/>                     P501a: Dispose of contents/container in accordance with local regulations.</p> |

## JBL PROAQUATEST KH Carbonate hardness

| JBL KH - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                        | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hazard symbol                                      |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Risk phrase                                        | <p>H226: Flammable liquid and vapour.<br/>                     H314: Causes severe skin burns and eye damage.<br/>                     H318: Causes serious eye damage.</p>                                                                                                                                                                                                                                                                                                                                                                                                      |
| safety note                                        | <p>P101: If medical advice is needed, have product container or label at hand.<br/>                     P102: Keep out of reach of children.<br/>                     P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br/>                     P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br/>                     P501a: Dispose of contents/container in accordance with local regulations.</p> |


## JBL PROAQUATEST O2 Oxygen

| JBL O2 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                                        |
| Risk phrase                                          | <p>EUH208: Contains \$. May produce an allergic reaction.<br/>                     H314: Causes severe skin burns and eye damage.<br/>                     H317: May cause an allergic skin reaction.<br/>                     H318: Causes serious eye damage.<br/>                     H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br/>                     H373: May cause damage to organs through prolonged or repeated exposure.<br/>                     H412: Harmful to aquatic life with long lasting effects.</p>                |
| safety note                                          | <p>P101: If medical advice is needed, have product container or label at hand.<br/>                     P102: Keep out of reach of children.<br/>                     P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br/>                     P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br/>                     P501a: Dispose of contents/container in accordance with local regulations.</p> |
| Hazard-determining component                         | <p>1310-73-2: sodium hydroxide<br/>                     137-09-7/1: Amidol<br/>                     137-09-7/2: Amidol<br/>                     7664-93-9: sulphuric acid<br/>                     7773-01-5/1: manganese dichloride</p>                                                                                                                                                                                                                                                                                                                                         |





| JBL O2 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                                                                              |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Risk phrase                                          | H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.                                                                                                                                                                                                                                                                                                                  |
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Hazard-determining component                         | 1310-73-2: sodium hydroxide                                                                                                                                                                                                                                                                                                                                                                         |

| JBL O2 3 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                               |
| Risk phrase                                          | H314: Causes severe skin burns and eye damage.<br>H317: May cause an allergic skin reaction.<br>H318: Causes serious eye damage.<br>H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.                                                                                                                                                                                                                                                              |
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                         | 137-09-7/2: Amidol<br>7664-93-9: sulphuric acid                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## JBL PROAQUATEST Cu Copper

| JBL Cu 1 - safety information in accordance with GHS |                                                                            |
|------------------------------------------------------|----------------------------------------------------------------------------|
| Signal word                                          | Warning                                                                    |
| Hazard symbol                                        |                                                                            |
| Risk phrase                                          | H226: Flammable liquid and vapour.<br>H319: Causes serious eye irritation. |



| JBL Cu 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |

| JBL Cu 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Warning                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                          | H226: Flammable liquid and vapour.<br>H319: Causes serious eye irritation.                                                                                                                                                                                                                                                                                                                                                                                                        |
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |

## JBL PROAQUATEST SiO2 Silicate

| JBL SiO2 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                            | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                            | H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.                                                                                                                                                                                                                                                                                                                                                                                                |
| safety note                                            | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                           | 7664-93-9: sulphuric acid                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| JBL SiO2 2 - safety information in accordance with GHS |        |
|--------------------------------------------------------|--------|
| Signal word                                            | Danger |
| Hazard symbol                                          |        |





| JBL SiO2 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risk phrase                                            | H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.                                                                                                                                                                                                                                                                                                                  |
| safety note                                            | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Hazard-determining component                           | 87-69-4: (+)-tartaric acid                                                                                                                                                                                                                                                                                                                                                                          |

## JBL PROAQUATEST NH4 Ammonium



| JBL NH4 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                           | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                           | EUH031: Contact with acids liberates toxic gas.<br>H225: Highly flammable liquid and vapour.<br>H314: Causes severe skin burns and eye damage.<br>H336: May cause drowsiness or dizziness.<br>H400: Very toxic to aquatic life.<br>H411: Toxic to aquatic life with long lasting effects.                                                                                                                                                                                         |
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                          | 1310-73-2: sodium hydroxide<br>67-63-0: propan-2-ol<br>7681-52-9/1: sodium hypochlorite, solution                                                                                                                                                                                                                                                                                                                                                                                 |

| JBL NH4 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                           | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                           | EUH031: Contact with acids liberates toxic gas.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H400: Very toxic to aquatic life.<br>H411: Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                              |
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |







| JBL NH4 2 - safety information in accordance with GHS |                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------|
| Hazard-determining component                          | 1310-73-2: sodium hydroxide<br>7681-52-9/1: sodium hypochlorite, solution |

| JBL NH4 3 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                           | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                         |                                                                                                                                                                                                                                                                                                             |
| Risk phrase                                           | H225: Highly flammable liquid and vapour.<br>H315: Causes skin irritation.<br>H319: Causes serious eye irritation.<br>H336: May cause drowsiness or dizziness.                                                                                                                                                                                                                                                                                                                    |
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                          | 67-63-0: propan-2-ol                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



## JBL PROAQUATEST NO2 Nitrite

| JBL NO2 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                           | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                         |                                                                                                                                                                                                                                                                                                         |
| Risk phrase                                           | H226: Flammable liquid and vapour.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.                                                                                                                                                                                                                                                                                                                                                          |
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                          | 64-19-7: Acetic acid                                                                                                                                                                                                                                                                                                                                                                                                                                                              |





| JBL NO2 2 - safety information in accordance with GHS |         |
|-------------------------------------------------------|---------|
| Signal word                                           | Warning |








| JBL NO2 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard symbol                                         |                                                                                                                                                                                                                               |
| Risk phrase                                           | H226: Flammable liquid and vapour.<br>H319: Causes serious eye irritation.                                                                                                                                                                                                                                                                                                                          |
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

## JBL PROAQUATEST NO3 Nitrate

| JBL NO3 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                           | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                         |                                                                                                                                        |
| Risk phrase                                           | H314: Causes severe skin burns and eye damage.<br>H317: May cause an allergic skin reaction.<br>H318: Causes serious eye damage.<br>H341: Suspected of causing genetic defects.<br>H411: Toxic to aquatic life with long lasting effects.                                                                                                                                                                                                                                         |
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                          | 121-57-3: sulphanilic acid<br>541-69-5: m-phenylenediamine dihydrochloride<br>7647-01-0/1: hydrogen chloride                                                                                                                                                                                                                                                                                                                                                                      |

| JBL NO3 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                           | Danger                                                                                                                                                                                                                                                           |
| Hazard symbol                                         |    |
| Risk phrase                                           | H314: Causes severe skin burns and eye damage.<br>H317: May cause an allergic skin reaction.<br>H318: Causes serious eye damage.<br>H341: Suspected of causing genetic defects.<br>H412: Harmful to aquatic life with long lasting effects.                      |



| JBL NO3 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| safety note                                           | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                          | 541-69-5: m-phenylenediamine dihydrochloride<br>7647-01-0/1: hydrogen chloride                                                                                                                                                                                                                                                                                                                                                                                                    |

## JBL PROAQUATEST PO4 Phosphate Sensitive

| JBL PO4 Sensitive 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                                     | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                                     | H302: Harmful if swallowed.<br>H314: Causes severe skin burns and eye damage.<br>H335: May cause respiratory irritation.                                                                                                                                                                                                                                                                                                                                                          |
| safety note                                                     | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                                    | 7647-01-0/1: hydrogen chloride<br>7664-93-9: sulphuric acid                                                                                                                                                                                                                                                                                                                                                                                                                       |

| JBL PO4 Sensitive 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                                     | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                                     | H302: Harmful if swallowed.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H335: May cause respiratory irritation.                                                                                                                                                                                                                                                                                                                      |
| safety note                                                     | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                                    | 7647-01-0/1: hydrogen chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                    |



## JBL PROAQUATEST Ca Calcium

| JBL Ca 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                          | H302: Harmful if swallowed.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.                                                                                                                                                                                                                                                                                                                                                                 |
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                         | 1310-58-3: potassium hydroxide<br>1310-73-2: sodium hydroxide                                                                                                                                                                                                                                                                                                                                                                                                                     |

| JBL Ca 3 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                                                                              |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Risk phrase                                          | H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.                                                                                                                                                                                                                                                                                                                  |
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Hazard-determining component                         | 1310-73-2: sodium hydroxide                                                                                                                                                                                                                                                                                                                                                                         |

## JBL PROAQUATEST Mg-Ca Magnesium-Calcium

| JBL Mg 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                     |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                            |
| Risk phrase                                          | H226: Flammable liquid and vapour.<br>H302: Harmful if swallowed.<br>H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H335: May cause respiratory irritation.<br>H373: May cause damage to organs through prolonged or repeated exposure.<br>H412: Harmful to aquatic life with long lasting effects. |







| JBL Mg 1 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                         | 1310-58-3: potassium hydroxide<br>1310-73-2: sodium hydroxide<br>1336-21-6: ammonia<br>60-00-4: edetic acid                                                                                                                                                                                                                                                                                                                                                                       |

| JBL Mg 2 - safety information in accordance with GHS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word                                          | Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Hazard symbol                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Risk phrase                                          | H314: Causes severe skin burns and eye damage.<br>H318: Causes serious eye damage.<br>H373: May cause damage to organs through prolonged or repeated exposure.                                                                                                                                                                                                                                                                                                                    |
| safety note                                          | P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501a: Dispose of contents/container in accordance with local regulations. |
| Hazard-determining component                         | 1310-73-2: sodium hydroxide<br>60-00-4: edetic acid                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Further safety information |   |
|----------------------------|---|
| Safety instructions        | ✓ |
| QR code                    |   |





## Additional information for the specialist trade sector

| Article data         |                           |
|----------------------|---------------------------|
| Product name         | JBL PROAQUATEST LAB Marin |
| Art. No.             | 2408200                   |
| VAT                  | 19%                       |
| Sales unit (SU)      | 1                         |
| Volume packaging     | 10.3l                     |
| Dimensions (l/w/h)   | 85 mm/382 mm/318 mm       |
| Layer                | 24                        |
| Pallet               | 72                        |
| Category of products | 1                         |
| Customs tariff       | 38221100                  |
| Country of origin    | DE                        |
| Type of packaging    | case                      |

| PU 1 data        |                           |
|------------------|---------------------------|
| Product name     | JBL PROAQUATEST LAB Marin |
| Art. No.         | 2408200                   |
| PU 1 material    | cardboard gr              |
| PU 1 weight      | 1700 g                    |
| PU 1 length      | 700 mm                    |
| PU 1 width/depth | 410 mm                    |
| PU 1 height      | 370 mm                    |

| PU 2 data        |                           |
|------------------|---------------------------|
| Product name     | JBL PROAQUATEST LAB Marin |
| Art. No.         | 2408200                   |
| PU 2 material    | None                      |
| PU 2 weight      | -                         |
| PU 2 length      | -                         |
| PU 2 width/depth | -                         |
| PU 2 height      | -                         |

| Trade data        |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Product name      | JBL PROAQUATEST LAB Marin                                          |
| Art. No.          | 2408200                                                            |
| Till receipt text | Testlab Marin                                                      |
| Shelf placement   | Test shelf, water treatment troubleshooting, marine water products |

