

# Lohtragon<sup>®</sup> Product Range



**Lohtragon<sup>®</sup>**

Crystallizing Solutions

## Info Sheet Lohtragon®

### Lohtragon® – Product Range

The proven Lohtragon® metal salt range offers you the choice from around 60 dedicated chemically pure products. In case your requirement goes beyond please get in touch with us for discussing options from additional 300 metal salts with more than 7,000 specifications. In addition, product modifications are possible to meet your specific needs.

| Product               | Typ | Used substance                     | CAS no.                 | Product description*                        |
|-----------------------|-----|------------------------------------|-------------------------|---------------------------------------------|
| <b>Aluminium</b>      |     |                                    |                         |                                             |
| Lohtragon® L87        | 6   | Aluminium Lactate Solution         | 18917-91-4              | solution   approx. 30 %                     |
| Lohtragon® K87        | 3   | Aluminium Nitrate Solution         | 7784-27-2               | solution   approx. 61 %                     |
| <b>Ammonium</b>       |     |                                    |                         |                                             |
| Lohtragon® O05        | 20  | Ammonium Acetate                   | 631-61-8                | crystals   chem. pure                       |
| Lohtragon® O55        | 10  | Ammonium Acetate Solution          | 631-61-8                | solution   approx. 50 %                     |
| Lohtragon® B75        | 16  | Diammonium Hydrogen Citrate        | 3012-65-5               | crystals   chem. pure                       |
| Lohtragon® B65        | 9   | Triammonium Citrate                | 3458-72-8               | crystals   chem. pure                       |
| Lohtragon® B72        | 12  | Ammonium Formate                   | 540-69-2                | crystals   chem. pure                       |
| <b>Calcium</b>        |     |                                    |                         |                                             |
| Lohtragon® O01        | 172 | Calcium Acetate                    | 62-54-4                 | powder   chem. pure                         |
| Lohtragon® O01 ST/176 | 176 | Calcium Acetate                    | 62-54-4                 | powder   chem. pure   additional parameters |
| Lohtragon® O01 ST/179 | 179 | Calcium Acetate                    | 62-54-4                 | powder   purity acc. to E 263               |
| Lohtragon® O01 ST/180 | 180 | Calcium Acetate                    | 62-54-4                 | powder   purity acc. to E 263               |
| Lohtragon® O50        | 6   | Calcium Acetate Solution           | 62-54-4                 | solution   approx. 24.2 – 24.5%             |
| Lohtragon® B42        | 24  | Tricalcium Citrate, anhydrous      | 813-94-5                | fine powder   chem. pure                    |
| Lohtragon® B68        | 20  | Calcium Formate                    | 544-17-2                | crystals   chem. pure                       |
| Lohtragon® O43        | 25  | Calcium Nitrate 4-hydrate          | 13477-34-4              | crystals   chem. pure                       |
| <b>Copper</b>         |     |                                    |                         |                                             |
| Lohtragon® K02        | 27  | Copper(II) Acetate 1-hydrate       | 6046-93-1               | crystalline powder   chem. pure             |
| Lohtragon® K01        | 30  | Copper(II) Hydroxide Carbonate     | 12069-69-1              | powder   chem. pure                         |
| <b>Iron</b>           |     |                                    |                         |                                             |
| Lohtragon® C07        | 66  | Ferric Ammonium Citrate, brown     | 1185-57-5               | powder   chem. pure                         |
| Lohtragon® C05        | 29  | Ferric Citrate                     | 2338-05-8               | powder   chem. pure                         |
| Lohtragon® E36        | 19  | Ferric Nitrate 9-hydrate           | 7782-61-8               | crystals   chem. pure                       |
| Lohtragon® E36        | 22  | Ferric Nitrate 9-hydrate           | 7782-61-8               | crystals   chem. pure                       |
| Lohtragon® V28        | 23  | Ferric Sulfate                     | 10028-22-5   15244-10-7 | powder   chem. pure   optimized flowability |
| Lohtragon® V26        | 11  | Ferrous Ammonium Sulfate 6-hydrate | 7783-85-9               | crystals   chem. pure                       |
| Lohtragon® C73        | 171 | Ferrous Gluconate 2-hydrate        | 22830-45-1   299-29-6   | granules   chem. pure                       |
| Lohtragon® C08        | 3   | Ferric Sodium Citrate Solution     | -                       | solution   approx. 55 %                     |
| Lohtragon® V01        | 703 | Ferrous Sulfate Solution           | -                       | solution   approx. 50 %                     |
| Lohtragon® V04        | 131 | Ferrous Sulfate 7-hydrate          | 7782-63-0               | crystals   chem. pure                       |
| Lohtragon® V05        | 273 | Ferrous Sulfate, dried             | 7720-78-7   13463-43-9  | powder   chem. pure                         |
| <b>Lithium</b>        |     |                                    |                         |                                             |
| Lohtragon® B53        | 3   | Lithium Acetate 2-hydrate          | 6108-17-4               | powder   chem. pure                         |

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| Product                            | Type | Used substance                      | CAS no.                 | Product description*                                |
|------------------------------------|------|-------------------------------------|-------------------------|-----------------------------------------------------|
| <b>Magnesium</b><br>Lohtragon® K19 | 47   | Magnesium Acetate 4-hydrate         | 16674-78-5              | crystals   chem. pure   optimized flowability       |
| Lohtragon® K19 ST/48               | 48   | Magnesium Acetate 4-hydrate         | 16674-78-5              | crystals   chem. pure   additional parameters       |
| Lohtragon® K19 ST/49               | 49   | Magnesium Acetate 4-hydrate         | 16674-78-5              | crystals   mineral for use in foods                 |
| Lohtragon® K91                     | 8    | Magnesium Acetate Solution          | 16674-78-5              | solution   approx. 50 %                             |
| Lohtragon® K91 ST/11               | 11   | Magnesium Acetate Solution          | 16674-78-5              | solution   approx. 55 %                             |
| Lohtragon® K92                     | 10   | Magnesium Acetate, anhydrous        | 142-72-3                | powder   chem. pure                                 |
| Lohtragon® K92 ST/11               | 11   | Magnesium Acetate, anhydrous        | 142-72-3                | powder   mineral for use in foods                   |
| Lohtragon® K92 ST/12               | 12   | Magnesium Acetate, anhydrous        | 142-72-3                | powder   chem. pure   additional parameters         |
| Lohtragon® C36                     | 735  | Magnesium Carbonate                 | 12125-28-9   39409-82-0 | powder   chem. pure                                 |
| Lohtragon® C36 CC                  | 737  | Magnesium Carbonate                 | 12125-28-9   39409-82-0 | crushed chalk   purity acc. to. Ph.Eur. / E 504(ii) |
| Lohtragon® C36 PC                  | 529  | Magnesium Carbonate                 | 12125-28-9   39409-82-0 | powder chalk   Ph.Eur. / E 504(ii)                  |
| Lohtragon® C35                     | 145  | Magnesium Hydroxide                 | 1309-42-8               | powder   chem. pure                                 |
| Lohtragon® O41                     | 18   | Magnesium Nitrate 6-hydrate         | 13446-18-9              | crystals   chem. pure                               |
| Lohtragon® C46                     | 353  | Magnesium Oxide                     | 1309-48-4               | powder   chem. pure                                 |
| Lohtragon® O73                     | 19   | Magnesium Peroxide                  | 1335-26-8               | powder   chem. pure                                 |
| Lohtragon® V15                     | 101  | Magnesium Sulfate, dried            | 22189-08-8              | powder   chem. pure                                 |
| <b>Manganese</b><br>Lohtragon® O03 | 35   | Manganese(II) Acetate 4-hydrate     | 6156-78-1               | crystals   chem. pure                               |
| <b>Potassium</b><br>Lohtragon® O02 | 90   | Potassium Acetate, anhydrous        | 127-08-2                | powder   purity acc. to E 261                       |
| Lohtragon® O52                     | 20   | Potassium Acetate Solution          | 127-08-2                | solution   approx. 70 %                             |
| Lohtragon® B40                     | 105  | Tripotassium Citrate 1-hydrate      | 6100-05-6               | crystals   chem. pure                               |
| Lohtragon® B71                     | 11   | Potassium Formate                   | 590-29-4                | crystals   chem. pure                               |
| Lohtragon® O16                     | 19   | Dipotassium Oxalate 1-hydrate       | 6487-48-5               | crystals   chem. pure                               |
| Lohtragon® B61                     | 28   | Potassium Sodium Tartrate 4-hydrate | 6381-59-5               | crystals   chem. pure                               |
| Lohtragon® B60                     | 11   | Dipotassium Tartrate 0.5-hydrate    | 6100-19-2               | crystals   chem. pure                               |
| <b>Sodium</b><br>Lohtragon® K18    | 83   | Sodium Acetate, anhydrous           | 127-09-3                | powder   chem. pure                                 |
| Lohtragon® K18 ST/84               | 84   | Sodium Acetate, anhydrous           | 127-09-3                | powder   purity acc. to E 262(i)                    |
| Lohtragon® K16                     | 53   | Sodium Acetate 3-hydrate            | 6131-90-4               | crystals   chem. pure                               |
| Lohtragon® K16 ST/54               | 54   | Sodium Acetate 3-hydrate            | 6131-90-4               | crystals   purity acc. to E 262(i)                  |
| Lohtragon® K98                     | 4    | Sodium Acetate Solution             | 127-09-3                | solution   approx. 28-30 %                          |
| Lohtragon® B44                     | 43   | Sodium Benzoate                     | 532-32-1                | fine powder   purity acc. to E 211                  |
| Lohtragon® E11                     | 59   | Sodium Carbonate, anhydrous         | 497-19-8                | crystalline powder   purity acc. to E 500(i)        |

The information given in the document corresponds to our current knowledge. We warrant in the frame of our General Terms and Conditions of Sale that our products are manufactured in accordance with the specifications. However, we disclaim any liability with regard to the suitability of our products for a particular purpose or application or their compatibility with other substances. Tests have to be performed by the customer who also bears the risk in this respect. Nothing herein shall be construed as a recommendation to use our products in conflict with third parties' right

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| Product                                                 | Type | Used substance                        | CAS no.               | Product description*                             |
|---------------------------------------------------------|------|---------------------------------------|-----------------------|--------------------------------------------------|
| Lohtragon® B15                                          | 68   | Monosodium Citrate, anhydrous         | 18996-35-5            | crystalline powder   chem. pure                  |
| Lohtragon® B10                                          | 73   | Trisodium Citrate, anhydrous          | 68-04-2               | crystals   chem. pure                            |
| Lohtragon® B09                                          | 140  | Trisodium Citrate 2-hydrate           | 6132-04-3             | fine powder   chem. pure   optimized flowability |
| Lohtragon® B67                                          | 29   | Sodium Formate                        | 141-53-7              | crystalline powder   chem. pure                  |
| Lohtragon® L44                                          | 17   | Sodium Glycerophosphate Solution      | 1334-74-3             | solution   approx. 50 %                          |
| Lohtragon® B45                                          | 23   | Sodium Succinate 6-hydrate            | 6106-21-4             | crystals   chem. pure                            |
| Lohtragon® V17                                          | 69   | Sodium Sulfate, anhydrous             | 7757-82-6             | powder   purity acc. to E 514(i)                 |
| <b>Zinc</b>                                             |      |                                       |                       |                                                  |
| Lohtragon® O56                                          | 2    | Zinc Acetate, anhydrous               | 557-34-6              | powder   chem. pure                              |
| Lohtragon® O06                                          | 44   | Zinc Acetate 2-hydrate                | 5970-45-6             | crystalline powder   chem. pure                  |
| Lohtragon® O06 ST/43                                    | 43   | Zinc Acetate 2-hydrate                | 5970-45-6             | crystalline powder   purity acc. to E 650        |
| Lohtragon® O06 ST/46                                    | 46   | Zinc Acetate 2-hydrate                | 5970-45-6             | crystalline powder   chem. pure                  |
| Lohtragon® O86                                          | 2    | Zinc Acetate Solution                 | 5970-45-6             | solution   approx. 25 %                          |
| Lohtragon® O08                                          | 18   | Zinc Hydroxide Carbonate              | 51839-25-9            | powder   chem. pure                              |
| Lohtragon® O74                                          | 11   | Zinc Peroxide                         | 1314-22-3   1314-13-2 | powder   chem. pure                              |
| Lohtragon® O79                                          | 8    | Zinc Pyrophosphate                    | 7446-26-6             | powder   chem. pure                              |
| Lohtragon® O60                                          | 1    | Zinc Sulfate, anhydrous               | 7733-02-0             | powder   chem. pure                              |
| Lohtragon® O59                                          | 149  | Zinc Sulfate 1-hydrate                | 7446-19-7             | powder   chem. pure                              |
| <b>Lohtragon® CI Mixtures for Construction Industry</b> |      |                                       |                       |                                                  |
| Lohtragon® L90 CI/25                                    |      | Accelerator for Construction Industry | -                     | powder   chem. pure                              |
| Lohtragon® L90 CI/22                                    |      | Accelerator for Construction Industry | -                     | powder   chem. pure                              |
| Lohtragon® L90 CI/23                                    |      | Accelerator for Construction Industry | -                     | powder   chem. pure                              |
| Lohtragon® L90 CI/24                                    |      | Accelerator for Construction Industry | -                     | powder   chem. pure                              |
| Lohtragon® L90 CI/20                                    |      | Retarder for Construction Industry    | -                     | powder   chem. pure                              |

\* E No qualities refer to European Food Legislation (Commission Regulation EU No 231/2012). For chemically pure qualities, please contact us for your food contact requirement.

## Contact

Connect directly with our Lohtragon® experts in our German headquarter.



**+49 5155 63-5888**



**contact@lohtragon.com**



**www.lohtragon.com**

## Lohtragon® – A Brand of Dr. Paul Lohmann®

For over 135 years, the company Dr. Paul Lohmann has been able to establish and maintain its leading position as an international manufacturer of mineral and metal salts that meet the highest quality standards. The product range includes over 400 different salts, from Aluminum to Zinc, in a total of over 7,000 different specifications.

Dr. Paul Lohmann® supplies its specialty salts worldwide to customers in the pharmaceutical industry, food sector, food supplements, cosmetics and – under the Lohtragon® brand – to customers in industrial applications.

Lohtragon® stands for unique competences in manufacturing, optimizing and developing metal salts for a broad variety of industrial market segments. Established in diversity, tailor-made for you, your application and your process - our solution for your challenges!

### Established Products

By choosing Lohtragon® products, you benefit from direct manufacturer sourcing and our "Made in Germany" quality and reliability promise.

### Joint Developments

From concept phase to tailored product optimization, we are your partner to solve any development challenge.

### Expert Services

Rely on services from our R&D, application technology, regulatory affairs, logistics, quality departments and more. We fully support you in all areas.