

Fire- Extinguishing Agents



Lohtragon®

Crystallizing Solutions

Turning Metal Salts into Safety – Lohtragon® for Fire Protection



Fire Safety – Acting Fast and Effectively

- ◆ Rapid response is essential to limit the spread of small fires.
- ◆ Each fire type requires a specific extinguishing agent for optimal performance.
- ◆ Extinguishing systems must ensure safety for people and the environment.
- ◆ Use of pure, carefully selected starting materials ensures consistent quality.
- ◆ Formulations are free from unnecessary heavy metals and harmful chemicals.

Lohtragon® Expertise in Extinguishing Agents

- ◆ **We are a manufacturer** with decades of metal salt expertise.
- ◆ **Development** and production of high-performance extinguishing agents.
- ◆ Focus on chemical purity, stability, and application safety.
- ◆ Capability to **customize formulations** to meet specific customer or system requirements.
- ◆ Collaborative development approach – from lab trials to final product implementation.
- ◆ Consistent product quality is ensured through controlled production and analytical verification.

Lohtragon® Fire Extinguishing – For Safe Collaboration

Custom metal salt solutions **manufactured** to your needs through close **collaboration** and proven technical expertise.



Lohtragon® Product Selector – Fire-Extinguishing Agents

Selected Lohtragon® salts have been gathered in a toolbox for fire safety with various Lohtragon® fire-extinguishing agents allowing flexibility in the composition of the extinguishing system within a wide range:

Product	Type	Used substance	Product description
Magnesium salts			
Lohtragon® K92	10	Magnesium Acetate, anhydrous	powder chem. pure
Lohtragon® C36	735	Magnesium Carbonate	powder chem. pure
Lohtragon® C35	145	Magnesium Hydroxide	powder chem. pure
Potassium salts			
Lohtragon® O02	90	Potassium Acetate, anhydrous	powder chem. pure
Lohtragon® O52	20	Potassium Acetate Solution	solution approx. 50 % and 70 %
Lohtragon® B40	105	Tripotassium Citrate 1-hydrate	crystals chem. pure
Lohtragon® B71	11	Potassium Formate	crystals chem. pure
Lohtragon® B60	11	Potassium Tartrate 0.5-hydrate	crystals chem. pure
Lohtragon® B90	11	Potassium Tartrate Solution	solution approx. 50 %

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Case Study Lohtragon® O52 - Effective Agent for Class K Fires

Potassium Acetate is a highly efficient extinguishing agent for Class K fires involving burning oils and fats.

- ◆ Extinguishes fires through saponification, forming a stable, soapy layer that isolates oxygen and cools the fire.
- ◆ Minimizes re-ignition risk by providing both smothering and cooling effects.
- ◆ **Lohtragon® O52** (Potassium Acetate Solution) delivers rapid and reliable fire suppression.
- ◆ Produces minimal, environmentally safe residues compared to foam or powder systems.
- ◆ Available in various concentrations, e.g. **50 %** and **70 %**, enabling flexible extinguisher formulations.



Lohtragon® O52 combines fast action, clean performance, and sustainable safety, making it the ideal choice for modern Class K fire extinguishing systems.

Lohtragon® Fire Safety Additives: Your Benefits at a Glance



Targeted Fire Suppression

Extinguish cooking fat fires quickly — optimized dispersion and saponification.



Reliable Fire Safety

Prevent reignition — stable, residue-free surface coating for lasting protection.



Effective Separation

Create protective layers — cut off oxygen from burning fat or fuel.



Class F/K Performance

Active extinguishing agents — efficiency for kitchen-related fire risks.

Where Safety Sparks – Lohtragon® Keeps the Flames at Bay

Connect with us and develop your high-performance Lohtragon® fire extinguishing solution – tailored to your formulation needs and compliance goals!

Contact Us



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Lohtragon® – A Brand of Dr. Paul Lohmann®

For over 140 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 Aluminium 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 application technology, regulatory affairs, logistics, quality departments and more. We fully support you in all areas.