WASTEWATER & SLUDGE TREATMENT
Wastewater treatment is the process of removing contaminants from wastewater. It includes physical, chemical and biological processes to eliminate pollutants. Once treated, water can then be released back into nature or recycled. The Neutralac® offer provides you with specific solutions to optimize the wastewater treatment of municipal purification plants as well as industrial sites.
The sludge accumulated in a wastewater treatment process must be treated and disposed of in a safe and effective manner. Which sludge treatment methodology to use depends upon the amount of sludge generated and other site-specific conditions. Neutralac® reagents, which are environmentally-friendly, improve sludge dewatering and hygienisation and produce sludge adapted to the selected disposal route.
Thanks to its Neutralac® reagents and technology, Lhoist is developing new solutions to improve the removal of pollutants and reuse of materials, to treat and prevent acidification resulting from mining activities and to optimize biogas generation.
THE LHOIST OFFER

Expertise
- to provide reliable and effective solutions

Reagents
- selected from the Neutralac® product range to meet your specific needs

Services
- offering appropriate and effective logistics, equipment and technical assistance

SOME EUROPEAN REFERENCES

**Lagoon treatment**
- Issue: Odor control
- Solution: Neutralac® SL

**Urban water treatment plant**
- Issue: Filter press dewatering optimisation
- Solution: Neutralac® Q SR

**Pharmaceutical industry**
- Issue: Phosphates removal
- Solution: Neutralac® SLS45

**Food processing industry**
- Issue: Odor control
- Solution: Neutralac® SL, Idra-Stock

**Food processing industry**
- Issue: Biogas yield increase
- Solution: Neutralac® SLS45

**Automotive industry**
- Issue: Heavy metals removal
- Solution: Neutralac® SLS45

**Water treatment plant**
- Issue: Centrifuge dewatering optimisation
- Solution: Neutralac® Calci-Flo

**Chemical industry**
- Issue: Automated milk of lime preparation
- Solution: Neutralac® H, Neutralac® Stabi-Matic

**Mineral industry**
- Issue: Neutralisation of mining water by milk of lime (from Duwa-Matic™)
- Solution: Neutralac® Q 90

**Hot-rolled strip plant**
- Issue: Heavy metal precipitation, COD removal, oil elimination
- Solution: Neutralac® SLS45

**Paper industry**
- Issue: pH stabilisation, dehardening, odor removal, process stability
- Solution: Neutralac® SLS45, Idra-Stock
PRODUCT RANGE

Reagents dedicated to neutralisation and stabilisation

| Neutralac® C   | Calcium carbonate |
| Neutralac® Q   | Quicklime         |
| Neutralac® H   | Hydrated lime     |
| Neutralac® SL  | Milk of lime      |

High performance reagents for a controlled neutralisation

| Neutralac® SL HR | Ready-to-use micronised milk of lime |
| Neutralac® SLS45* | Ready-to-use milk of lime – high reactivity and high concentration |

High performance reagents to improve dewatering performances

| Neutralac® Q SR  | Lime with delayed reactivity for filter press |
| Neutralac® Calci-Flo Easy-Light* | Solid polymer/lime hybrid for centrifuge |
| Neutralac® Calci-Flo Opti-Light* | Liquid polymer/lime hybrid for centrifuge |

* Patented

Lhoist, the partner for wastewater and sludge treatment to serve the environment.

Lhoist is a multi-national company, an expert in lime, dolime and mineral products. The diversity of our product range and our industrial facilities around the world, allow the Group to be a key partner in multiple industries and business sectors.

www.lhoist.com
www.neutralac.com
Lagoon treatment
Issue: Odor control
Solution: Neutralac® SL

Urban water treatment plant
Issue: Filter press dewatering optimisation
Solution: Neutralac® Q SR

Pharmaceutical industry
Issue: Phosphate removal
Solution: Neutralac® SLS45

Food processing industry
Issue: Odor control
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Food processing industry
Issue: Biogas yield increase
Solution: Neutralac® SLS45

Automotive industry
Issue: Heavy metals removal
Solution: Neutralac® SLS45

Water treatment plant
Issue: Centrifuge dewatering optimisation
Solution: Neutralac® Calci-Flo

Chemical industry
Issue: Neutralisation of waste waters
Solution: Neutralac® C, Neutralac® Stabi-Matic

Paper industry
Issue: Clarification of water by use of lime
Solution: Neutralac® Q 90

Mining industry
Issue: Heavy metal precipitation, COD removal, oil elimination
Solution: Neutralac® SLS45

Hot-rolled strip plant
Issue: Neutralisation of mining water
Solution: Neutralac® Q 90

Paper industry
Issue: pH stabilisation, dehardening, odor removal, process stability
Solution: Neutralac® SLS45, Idra-Stock

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