



EU MATERIAL SAFETY DATA SHEET

91/155/EWG

02.2011

Acido EX 100-S page 1/2

1. Substance, Composition and Company Information

Trade name: **Acido EX 100-S**
Supplementary compound for the optimisation of the biogas yield

Company: **Dr. Lucà & Partner Ingenieurbüro GmbH**
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2. Composition/Components Information

Inorganic special compound

3. Possible Hazards

According to EU norms this substance is classified as not harmful for the health if properly applied.

4. First Aid Measures

Remove soiled clothing
After inhaling: fresh air, in case of persistent symptoms visit a doctor
After skin contact: rinse with ample water
After eye contact: rinse with ample water for 15 minutes (eye-bath)
After swallowing: rinse mouth immediately and drink ample water,

5. Measures against Fire

Further information: The product is not combustible

6. Measures against Accidental Exposure

Individual related precautions: Avoid inhaling of product dust
Clean up process: Product absorb dry and treat according to chapter 13, disposal

7. Handling and Storage

Hints for safe handling: in accordance with ordinary chemicals
Storage: Keep packages closed under dry condition
Don't store with acids
Protect against heat.
storable for 12 months at max 25°C.

8. Exposure Limits and Personal, Protective Clothing and Equipment

Respiratory protection: Required in case of dusts:
Filter Type: Filter HP (recommendation)
Hand Protection: Yes, nitrile gloves, glove thickness 0.11 mm, breakthrough time: > 480 min (recommended)
Eye protection: Yes, goggles (recommended)
Hygiene: Work hygiene: avoid contact with skin and eyes. Wash hands before breaks and when finishing work. Do not eat or drink while working. Keep product away from food and beverages.





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Acido EX 100-S page 2/2

9. Physical and chemical properties

Form: solid
Colour: white
Odour: product specific (none)
Solidification temperature: not applicable
Flaming point: not applicable

Ignition temperature: not applicable
Steam pressure(20°C): not applicable
Density (g/ml): 0.45-0.65
Water solubility (20°C): 0.014 g/Litre
pH Value (10 g/Litre, 20°C, 6.5-8.5)

10. Stability and Reactive Properties

Thermal decomposition: > 600 °C
Conditions to avoid: No further details.

Substances to be avoided: Keep away from acids.

Hazardous decomposition products: Can be used with acids to form carbon dioxide (CO₂) and thus lead to the displacement of oxygen (suffocation)

11. Toxicological Data

Acute oral toxicity: LD50 (oral) rat:> 2,000 mg / kg

12. Ecological Data

No impediment to the biodegradability of activated sludge in purification plants

Biodegradability: >90% biodegradable (OECD: readily biodegradable)

Water Hazard Class: 1, slightly water-hazardous (own grading)

13. Disposal

Product: in compliance with official, local regulations.
Recorded dry, the product is usable again.
Large quantities are returnable.

14. Transportation

Non-hazardous good

GGVSee/IMDG-Code: -- UN-No.: -- MFAG: -- EmS: --

GGVE/GGVS: Kl. -- Zi. -- RID/ADR.: Kl. -- Zi. --

ADNR: Kl. -- Zi. -- Kat. -- ICAO/IATA-DGR: --

15. Regulations

GHS label: No dangerous substance according to GHS.

Labeling according to EU guidelines: The product is not subject to classification to EU directives or respective national laws

16. Further Information

This information applies to the product **Acido EX 100-S**

It does not constitute a properties guarantee and does not apply to any subsequent products possibly deriving therefrom.



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