

abirein[®]
for your health

Abirein Products

BASIC INFORMATION

ABIREIN MACHINES

ABIREIN[®]LIQUID DISINFECTANT

ABIREIN[®]CLEANSER

RELIABLE, EFFECTIVE, INEXPENSIVE, SAFE, ENVIRONMENTALLY FRIENDLY
AND FULLY BIOLOGICALLY DISINTEGRATING



**ABIREIN LIQUID contains no alcohol, phosphates, tensides,
formaldehyde, fragrances or colorants**

THE COMPANY

We design and manufacture our own machines to produce **ABIREIN®LIQUID** disinfectant and an alkaline **ABIREIN®CLEANSER**.

We can supply the highly concentrated and very effective **ABIREIN®LIQUID+ DISINFECTANT CONCENTRATE** and **LIQUID CLEANERS**.

We enable the client to use the disinfection product to effectively eradicate existing, harmful micro organisms or use the product to prevent their growth.

ABIREIN LIQUID disinfectant can be applied in all areas where bacteria, viruses, fungi or algae pose a threat

- to human or animal health,
- to crop or food contaminations

ABIREIN LIQUID DISINFECTANT kills bacteria like: Salmonella, Escherichia coli, Streptococcus, Enterococcus faecalis, S. aureus, S. Typhimurium, Shigella flexneri, TBC, HBV (Hepatitis) and also the multi resistant MSRA or EHEC.

OUR PRODUCTS

- **ABIREIN®LIQUID+ DISINFECTANT CONCENTRATE** (ph-level 2.5 to 2.8). The product can be diluted with water to suit any disinfecting application
Special info regarding **ABIREIN®LIQUID+ / WATER** dilutions for various disinfecting applications are to be found under downloads.
The product is suitable for the disinfection of drinking water or swimming pool water as well.

We also supply **ABIREIN®LIQUID DISINFECTANT** with a ph-level of 5 to be used directly in most disinfecting applications.

- **ABIREIN®LC11 DISINFECTION CLEANER** (ph-level 5.5 to 6.5), cleaning and disinfecting surfaces in the same time.
One litre of the disinfection cleaner to 9 litres of water is used to clean and disinfect floors and all kind of surfaces.
The basic substance of the Product is the strongly disinfecting, sour **ABIREIN®LIQUID**.

- **ABIREIN®CLEANSER DOUBLE CONCENTRATE**
The product is a very powerful fat dissolving cleaner with a lightly disinfecting effect.
The Product gets used in a dilution of 30 to 60 ml concentrate to 5 litres of water.
The basic substance of the product is the alkaline **ABIREIN CLEANER**.

- Alkaline **ABIREIN[®]CLEANSER** has a ph- level of 11 to 12. The product has disinfecting and fat dissolving qualities. **ABIREIN[®]CEANSER** can be obtained from us to produce with the use of additional, suitable ingredients liquid **CLEANING PRODUCTS**.

All our disinfection and cleaning products are environmentally friendly and totally biological degradable. Other Products, related to the **ABIREIN[®]LIQUID** or **ABIREIN[®]CLEANSER** are available on request.

SOME AREAS OF APPLICATION

- Hospitals, clinics, homes for the aged
- Hotels, schools, public buildings
- Cleaning service companies
- All sanitary areas such as toilets, bath rooms shower cabins etc
- Sport and wellness facilities
- Swimming pools, saunas, solar studios
- Airports, ships and trains
- Abattoirs, fish markets
- Dairies, breweries, fruit juice plants
- Food processing companies, catering
- Animal husbandry, poultry farms and egg production
- Veterinary facilities
- Disinfection of drinking water
- Plant and vegetable cultivation
- Disinfecting the harvest of fruit, vegetables and seeds
- For central watering systems in hot houses
- Can be used in manufacturing disinfecting products

CHARACTERISTICS AND DISINFECTING EFFECT OF THE ABIREIN[®]LIQUID+ CONCENTRATE

PACKING, STORING AUND PERISHABLE TIME SPAN

We are producing **ABIREIN[®]LIQUID+ CONCENTRATE** with a ph- level of 2.5 to 2.8. To obtain a maximal storage time, **abirein[®]liquid** should always be filled in non transparent, well closed plastic bottles or containers made from PET. **ABIREIN LIQUID** will keep effective for up to 12 month been filled in PET containers and stored dark at temperatures between -10 to +25. **ABIREIN LIQUID** filled up in plastic bottles made out of HDPE should be used up within 6 month, because the active, disinfecting oxidants are escaping more rapidly.

High temperatures of 30 to 40°C would also decrease the strength of the product. Under these circumstances the product must be filled into PET bottles and be used up within 8 month.

HANDLING

Abirein Liquid is sensitive to UV light and should not be exposed to bright light or sun light over longer periods of time. Store at best in a dark room.

Abirein Liquid should never be stored in metal containers or come into contact with metal objects such as mixers, funnels etc. Metal and strong UV light decreases the disinfectant properties of **Abirein Liquid** rendering it eventually non-effective.

EFFECTIVENESS

ABIREIN®LIQUID+ CONCENTRATE is been produced with a ph-level of 2.5 to 2.8 and has to be diluted with water to suit the contamination or the disinfecting application.

All known bacteria, viruses, fungi or other harmful microorganisms coming in contact with the **Abirein Liquid** are instantly eradicated by destroying the cell membranes of the organisms.

It is impossible for any micro organism to become resistant to the **Abirein Liquid**.

Abirein Liquid can be used not only to eradicate bacteria, fungi, viruses etc. in the stage of a heavy contamination but can also be used to prevent contamination and diseases.

Abirein Liquid is free from alcohol, phosphates, tensides and formaldehydes and is fully bio-degradable, leaving no harmful substances.

ABIREIN®CLEANSER

The alkaline **ABIREIN®CLEANSER** has a ph- level of 11 to 12.

The product has disinfecting and fat dissolving qualities.

ABIREIN®CLEANSER can be obtained from us to produce with the addition of suitable ingredients very effective liquid cleaning products.

ABIREIN CLEANSING PRUDUCTS can be stored in well close HDPE plastic containers for up to 24 month.

SAMPLES of ABIREIN LIQUID are available for practical or laboratory tests at the following address:

Reinhard Schulz Dahler Str. 111 , D-58091 Hagen, Germany

Phone: +49 (0) 2337 4479833 or 474643 Mobil: + 49 (0) 175 2178876

e-mail: r.e.schulz@online.de