

2016 Presentation



Disinfectant Tablets & Powder

RMP (UK) Ltd (Disifin Group)

Tel: 0845 834 0267

Fax: 0845 834 0167

Email info@disifin.co.uk

Internet www.disifin.co.uk / www.disifin.com

About Disifin Group

Disifin Group is a UK based Manufacturing & Distribution Company specialising in Preventive Disinfectant and Hygiene Technologies.

We are manufacturers of Disinfectant Chemicals and formulated Hygiene products meeting the needs of a diverse range of industries. Disifin Group & our Partners are committed to research, development and production of innovative products in disinfection, sanitation and cleaning.

Disifin Group is an established and dynamic company, since its formation in 2001 is always on the level of latest innovation and technological progress. Through our constant investment in research and development and by enjoining chemistry and enterprise we deliver innovative solutions to our local and international markets.



Safe to use

Readily Biodegradable & Aquatic Safe



“The Best Protection from Infection”



How does Disifin work ?

Disifin is not a chlorine disinfectant. It only releases max. 25% chlorine during the active phase in contrast to 100% with chlorine disinfectants. The disinfecting effect of **Disifin** is not based on chlorine but rather on the active **Chloramine-T** substance.

Although **Disifin** is a chlorine compound based on the active substance Chloramine-T, **Disifin** attacks the peptide bonding of the proteins when the complete active substance molecule comes into contact with microorganisms (virus, bacteria, fungus, spores or yeast), in addition to having the effect of conventional chlorine disinfectants, which continually split off chlorine.

Immediate splitting-off of the chlorine molecule only takes place when there is direct contact with the amino group of the protein structure. If the chlorine is then separated, then a further mol of nascent oxygen (O nasc.) is split off in the second stage, unlike the functioning of chlorine disinfectants, which in turn attacks the amino group.

Thanks to this bi-functional reaction mechanism, the protein chains are irreversibly broken. That is why there can be no development of resistance. **The quantities of free chlorine that occur in a watery Disifin solution are so small that they cannot by themselves have a sufficient disinfecting effect.** Once **Disifin** has taken effect, it disintegrates into the environmentally harmless substances nitrogen (N₂, part of breathing air) sodium sulfate (Na₂SO₄ e.g. contained in laxatives) and carbon dioxide (CO₂ e.g. in sparkling mineral water.)



Disifin not comparable to Chlorine

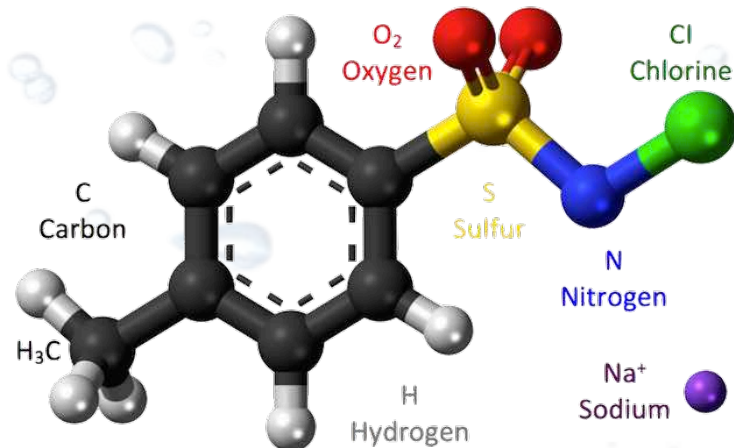
Disifin behaves like a chemical accumulator that only has a disinfecting effect and / or automatically makes this effect available when microorganisms are present.

Chlorine disinfectants, on the other hand, release sub chlorous acid (HOCl) immediately and continually which then has a disinfectant effect.

A disadvantage of this is that the disinfectant effect is quickly used up, especially when the disinfectant is exposed to sunlight, or when it is pumped around. Because of the aeration this causes, the solubility of the sub chlorous acid decreases and the chlorine gas escapes causing a distinct build-up odour.

For these reasons, chlorine disinfectants are not stable and must, therefore, be replenished relatively soon. The sub chlorous acid is very aggressive in its effect against surface materials and has a high degree of protein error.

Due to the functioning described and the special characteristics of Disifin, it is not comparable to conventional chlorine disinfectants.



Unique Disinfectant

Multipurpose with excellent biocidal properties



**Protects the health of humans & animals.
Gentle on you, tough on germs.**

Application areas

Disifin is the Universal Disinfectant which is widely used as a biocide in veterinary and sanitary applications. Powerfully active against bacteria (Gram positive and Gram negative), viruses (naked as well as enveloped) and fungi, Disifin is also active at low and elevated temperatures. It is safe to handle, in both powder and solution form. It is mild to the environment and readily biodegradable. The product has good storage stability. Disifin is the Universal Disinfectant which is used in numerous branches of industry including:

- 🕒 Poultry & Pig Farms
- 🕒 Veterinary Clinics
- 🕒 Dental Practices (Impressions)
- 🕒 Hospitals & Medical Centres
- 🕒 Hydrotherapy
- 🕒 Aquaculture
- 🕒 Cleanrooms



- 🕒 Residential Care Homes
- 🕒 Sports Facilities
- 🕒 Food & Beverage Industry
- 🕒 Air Conditioning Ducts
- 🕒 Water Tanks
- 🕒 Public areas
- 🕒 Laundry



Disinfectant Comparison

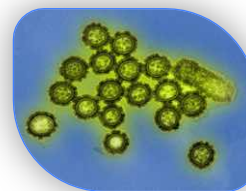
Active ingredient	Effective against						Toxicology			No significant protein error	Corrosion
	Viruses		Bacteria		Myco-bacteria	Fungi	Non-cytotoxic	Non mutagenic	Non carcinogenic		No corrosion on surface materials
	enveloped	non enveloped	Gram-positive	Gram-negative							
Disifin Chloramine-T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Acridin colouring	—	—	✓	✓	—	—	✓	—	—	—	✓
Chloramphenicol 8-Chinolinsulphane	—	—	✓	✓	—	—	—	—	—	—	✓
Peracetic acid	✓	✓	✓	✓	✓	✓	—	✓	—	—	—
Phenols	✓	—	✓	✓	✓	✓	—	—	—	—	—
Formaldehyde	✓	✓	✓	✓	✓	✓	—	—	—	✓	—
Glutaraldehyde	✓	—	✓	✓	✓	✓	—	—	—	—	—
Quats	—	—	✓	—	—	✓	✓	✓	✓	—	✓
4-chloro-m-cresol	✓	—	✓	✓	—	✓	✓	✓	✓	—	—
4 hexylresorcin	—	—	✓	✓	✓	✓	✓	✓	✓	—	—
Alcohol 70 %	—	—	✓	✓	✓	✓	✓	✓	✓	—	✓
Hydrogen peroxide	✓	✓	✓	✓	✓	✓	—	✓	—	✓	—
DCIC	✓	✓	✓	✓	—	✓	✓	✓	✓	—	—
Sodium hypochloride	✓	✓	✓	✓	—	✓	✓	✓	✓	—	—



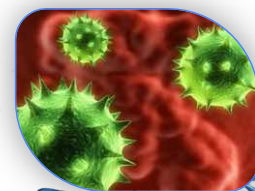
Staphylococcus aureus



Legionella Bacteria



Swine Flu H1N1



Norovirus

Microorganisms cause disease, danger, rot and despair, and individually are quite easy to kill, we need them to make bread and beer plus many other uses.

Healthy people and healthy environments contain a wide range of microorganisms that are particular to eradicate but in many cases needs controlling.

We cant see them, they are microscopic and the main danger comes from unchecked growth.

Some species replicate every 20 minutes and that means in perfect conditions. 1 cell can become 16,777,216 in 8 hours!

A Big Problem !



Disifin effectiveness

Disifin is effective against a wide range of organisms.

Bacteria, fungi, yeast, most viruses and some spores including:

SARS, Bird flu H5N1, Swine flu, E.coli, Salmonella, Candida albicans

Destroys the DNA & RNA of germs.

No known resistance formation.

Deactivates nerves and mustard gas including anthrax.

- ✓ **Non-Corrosive**
- ✓ **Non- Carcinogenic**
- ✓ **Non-Mutagenic**
- ✓ **Non-Cytotoxic**



Certification & Tests

Tested and certified



LAZ GmbH & Co.KG



University of
HUDDERSFIELD

Huddersfield University



AKS Water Laboratory
Service - Germany



LWU Food, Water and
Environmental Hygiene
Germany



Giessen University
Germany



Kesla Forschung &
Service - Germany



بلدية دبي
DUBAI MUNICIPALITY
Dubai Municipality



Al Hoty-Stanger Labs
Dubai – UAE



Stadt Zürich
Stadtspital Triemli

Zurich Hospital
Switzerland



MINISTRY OF DEFENCE

smiths
detection

Smith Detection – UK

- ✧ EN 1276 – Bactericidal
- ✧ EN 13713 – Bactericidal
- ✧ EN 14675 – Virucidal
- ✧ EN 1650 – Fungicidal
- ✧ EN 1657 – Fungicidal
- ✧ EN 13704 – Sporicidal



Contact Details

European Head Office



RMP UK Ltd / Disifin Group

Maxet House
Liverpool Road, Luton, Bedfordshire, LU1 1RS
United Kingdom

Tel: +44 1582 456 468
Fax: +44 (0) 845 834 0167

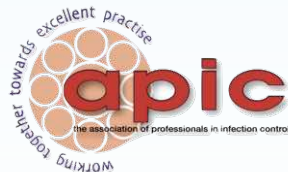
www.disifin.co.uk / www.disifin.com

Email: cs@disifin.co.uk

Managing Director - Disifin UK

Mr Marcos Da Silva
Dubai Mobile: 056 642 6476
UK Mobile: +44 768 51 41 26
Email: marcos@disifin.co.uk

2004 Award Winner Top Performer in Disinfection



The Association of Professionals in
Infection Control

Sales Director - Disifin UK

Mr Rui Matos
Tel: +44 (0) 845 834 0267
Mobile: +44 7970 181777
Email: rui@disifin.co.uk

UK Distribution Office



RMP UK Ltd / Disifin Group

300 Crawley Green Road
Luton, Bedfordshire, LU2 1RS
United Kingdom

Tel: +44 (0) 845 834 0267
Fax: +44 (0) 845 834 0167

www.disifin.co.uk / www.disifin.com

Email: info@disifin.co.uk

QA/QC Chemist – Disifin UK

Mr Mike Schneider B.Sc. Chem.
Mobile: +49 157 873 57931
Email: mike@disifin.com

Disifin Thailand Lab4 Group Ltd

Soi. Ari 3/8 (1F)
Bangkok 10400
Tel: +66 (0) 9293 18600
Tel: +66 (0) 62 402 8880

W: www.disifin.com
Email: bkk@disifin.com

Disifin USA

889 Foothill Road
Gardnerville, Nevada,
NV 89460 USA

Tel: +1 (775 720 8212)

W: www.disifin.com
Email: usa@disifin.com

