

SAFETY DATA SHEET (91/155/EWG)

Date of printing: 12.09.07

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1 IDENTIFICATION OF SUBSTANCE / PREPARATION AND COMPANY

Product label name: **Disifin® Tech Disinfection Tablets**

Applicability: Disinfectant

Supplier: RMP GmbH, Hagenring 20, 72119 Ammerbuch Germany
Tel.0049 (0) 7032 97 900 Fax 0049 (0) 7032 97 9050
RMP UK Ltd 0870 4 870 870 Fax 0870 4 870 877
E-mail: info@disifin.com www.disifin.co.uk

CE0483

Emergency telephone – UK 0870 4 870 870

2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: Sodium p-toluenesulfonchloramide with starch compounds.

CAS-Nr.	EINECS	Chemical name	%	Symbol(s) & Risk-phrase(s)
127-65-1	EC 204-854-7	tosylchloramide sodium	85-95	C;R34, R42 Xn; R22, R31

3 HAZARDS IDENTIFICATION

Harmful if swallowed. Contact with acids liberates toxic gas.
Causes Burns. May cause sensitization by inhalation

4 FIRST AID MEASURES

Symptoms and effects: Causes injury to the cornea and eyelids. Causes burns. May cause sensitization by inhalation

First aid:

General safety recommendations: Obtain medical attention immediately (show this Safety Data Sheet)

Inhalation: Move to fresh air, rest, half upright position, loosen clothing. Oxygen or artificial respiration if there is difficulty in breathing. Seek medical advice after significant exposure.

Skin: Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Always seek medical advice. Launder clothes before reuse.

Eye: Rinse immediately and as long as possible with plenty water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Always seek medical advice.

Ingestion: Only when conscious, rinse mouth, give plenty water to drink (approx. 500ml).
DO NOT induce vomiting. Seek medical advice.

Advice to physician: Symptomatic treatment is advised.

5 FIRE- FIGHTING MEASURES

Extinguishing media: foam, powder, water spray, carbon dioxide

Unsuitable extinguishing media: none known

Special exposure hazards: In case of fire and/or explosion do not breathe fumes.

Hazards decomposition/combustion products: Emits toxic fumes under fire conditions HCl, NOx, and (SO₂).

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breathe dust. Avoid contact with skin and eyes. For personal protection see Section 8.

Environmental precautions: Do not allow to escape into sewage system or water courses.

Methods for cleaning up: Collect as much as possible in a clean container for (preferable) reuse or disposal. Flush remainder with water.

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7 HANDLING AND STORAGE

Handling: The usual precautions for handling chemicals should be observed. Avoid contact with skin & eyes.

Fire and explosion prevention: No specific recommendations.

Storage requirements: Keep in a cool place. Keep container tightly closed and dry

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Avoid inhalation of dusts.

Exposure limits: No exposure limit has been established.

Personal protection: Respiratory: dust mask e.g. 3M No. 8710 recommended

Hand: protective gloves (*Disifin is Non-irritating at 35% solution*)

Eye: safety goggles (*Disifin is Non-irritating at 0.5% & 4.0% solution*)

Skin and body: protective clothing

Other information: Remove contaminated clothing. Launder clothes before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	tablet
Colour:	white
Smell:	weak chloride odour
Boiling point/range:	not applicable
Melting point/range:	Decomposes
Flash point:	192 °C (Pensky-Martens, closed up)
Flammability:	not determined
Auto ignition temperature:	not determined
Bulk density	1430 gk/m ³
Density	540 – 680 kg/m ³
Tablets weight:	2, 78 gr. /tablet
Explosive properties:	not determined
Explosion limits:	not determined
Oxidizing properties:	not determined
Vapour pressure:	not determined
Solubility in water:	150 g/l (20°C)
Solubility in other solvents:	ethanol (95%): 75 g/l (20°C)
pH value:	8,0 - 10,3 (5 % solution)

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10 STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions (see section 7)

Conditions to avoid: Unstable in contact with water vapour. Contact with acids liberates toxic gas.

Materials to avoid: Water vapour, acids.

Hazardous decomposition products: Emits toxic fumes under fire conditions HCl, NO_x, and SO₂

Dangerous decomposition products: Cl₂.

11 TOXICOLOGICAL INFORMATION

Name: Sodium p-toluenesulfonchloramide

Acute toxicity

Oral LD 50 - rat, mouse: approx. 1000mg/kg (Akzo Nobel E-file)

Inhalation LC 50 - rat: > 0,275 mg/l (4hours) (max. attainable concentration)

Irritation

Skin - Moistened powder: Corrosive (Akzo -Nobel E-file)

35% solution: Non-irritating (Akzo Nobel E-file)

Eye - Moistened powder: Severely irritating (Akzo Nobel E-file)

15% solution: Moderately irritating (Akzo Nobel E-file)

4,0% solution: Non-irritating (Akzo Nobel E-file)

0,5% solution: Non-irritating (Akzo Nobel E-file)

Sensitization: May cause sensitization by inhalation. (Akzo Nobel E-file)

Gen toxicology: Ames test: not mutagenic (Akzo Nobel E-file) Micronucleus test: not mutagenic (Akzo Nobel E-file)

Other toxicological information: sub chronic (90 days) oral toxicity, rat: Not Observed Effect
Level 15 mg/kg/day (Akzo Nobel E-file)

12 ECOLOGICAL INFORMATION

Eco toxicology

fish - 96h -LC50 (Poecilia reticulata): 31 mg/l (Akzo Nobel E-file)

daphnia - 48h -EC50: 4,5 mg/l (Akzo Nobel E-file)

Fate

Degradation Biotic - Readily biodegradable (At low concentrations).

p-toluenesulfonamid (hydrolysis product): Readily biodegradable

Other information

Daphnia magna reproduction test: No observed Effect Concentration (NOEC) > 1 mg/l
(Akzo Nobel E-file)

CE Mark (Certified under the Medical Device Directive 93/42/EEC)

CE0483

HSE Health & Safety Executive: (The Biocidal Products Regulations 2001 The Biocidal Products Directive 98/8/EC

DGHM-certificated (German Society for Hygiene and Microbiology) **Federal Environmental Office:** UBA 0748 -1002

13 DISPOSAL CONSIDERATIONS

Product

According to local regulations (most probably controlled incineration after decomposition / neutralization with water/caustic).

Residual substance code (AVV): 070699 Wastes. n.o.s.

Contaminated packaging: According to local regulations

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14 TRANSPORT INFORMATION

Land transport

ADR class	8	ADR item number	C8
RID class	8	RID item number	C8
Packing group	III	UN number	3263
Hazard Identification No.	80	Substance Identification No.	3263

Proper shipping name: Corrosive solid, basic, organic, n.o.s. (Sodium p-toluenesulfonchloramide)

Sea transport

IMO/IMDG		class	8
Packing group	III	UN number	3263
EMS	F-A, S-B	MFAG	---

Marine pollutant no

Proper shipping name: Corrosive solid, basic, organic, n.o.s. (Sodium p-toluenesulfonchloramide)

Other information

Air transport

ICAO-TI/IATA-DGR		UN number	3263
Class	8	Packing group	III

Proper shipping name: Corrosive solid, basic, organic, n.o.s. (Sodium p-toluenesulfonchloramide)

Other information

15 REGULATORY INFORMATION

Labelling according to EC directives.

Symbol(s)

C Corrosive

R(isk) phrase(s)

R 22 Harmful if swallowed.
R 31 Contact with acids liberates toxic gas.
R 34 Causes burns
R 42 May cause sensitization by inhalation.

S(afety) phrase(s)

S1/2 Keep locked and out of reach for children
S 7 Keep container tightly closed.
S 22 Do not breathe dust.
S 26 In case of contact with eyes, rinse immediately with plenty water and seek medical advice.
(Contains tosylchloramide sodium)
S 28 After contact with skin wash immediately with plenty of water.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

16 OTHER INFORMATION

This information only concerns the above-mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate a complete for his special use of this product.

R-phrases listed under point 2 and 3:

R 22 Harmful if swallowed. (Tablet)
R 31 Contact with acids liberates toxic gas.
R 34 Causes burns
R 42 May cause sensitization by inhalation.

