

## **Sera Con M-TC**

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### **1) Identification of the substance/preparation and company**

#### **Sera Con M-TC**

Use pattern :  
Textile auxiliary

DyStar Textilfarben GmbH

D - 51304 Leverkusen

Telephone no. 49(0)69/2109 - 3172

Telefax no. 49(0)69/2109 - 3000

Emergency telephone number: 49(0)214/3099300

### **2) Composition/information on ingredients**

organic acids  
aqueous solution

Hazardous ingredients

Citric Acid

Content: 40 - 50 %

CAS number : 77-92-9

Hazard symbols: Xi

R phrases: 36/38

### **3) Hazards identification**

Irritating to eyes.

### **4) First aid measures**

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

### **5) Fire-fighting measures**

Suitable extinguishing media: water mist, foam, dry powder, CO<sub>2</sub>

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

### **6) Accidental release measures**

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Personal precautions: Use the necessary personal protection equipment during any work.

Environmental precautions: Do not empty into drains or waters.

Methods for cleaning up/taking up: Take up with absorbent material and fill into a closable container.

Additional information: For further disposal measures see chapter 13.

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### **7) Handling and storage**

Advice on safe handling: Close container immediately after use, avoid excessive heat.  
Do not allow to dry out.

Advice on protection against fire and explosion: No special measures against fire or explosion required.

Requirements for storage rooms and vessels: Store sealed in original container in a cool place.

Storage class: 12 Non-combustible liquids

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### **8) Exposure controls/personal protection**

General protective measures: Do not breathe vapour/spray. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Do not eat, drink or smoke at work.  
Wash hands before breaks and at end of work and use skin-protecting ointment.  
Keep away from food and drink stuffs.

Hand protection :                      Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.

Eye protection :                      safety glasses with side protection shield

Body protection :                      Wear protective clothing.

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### **9) Physical and chemical properties**

Form :	liquid
Colour :	colourless
Odour :	slightly
Boiling point :	approx. 100 °C
Flash point :	> 100 °C

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Density :	approx. 1,0 g/cm <sup>3</sup> (20 °C)
Solubility in water :	miscible
pH value :	2,5 - 3,5 (20 °C, 20 g/l)

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### 10) Stability and reactivity

Thermal decomposition	No thermal decomposition when stored and handled correctly.
Hazardous reactions:	No hazardous reaction when used as directed.

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### 11) Toxicological information

Acute oral toxicity :	LD <sub>50</sub> > 2.000 mg/kg (rat)
Irritant effect on skin :	non-irritant (rabbit)
Irritant effect on eyes :	irritant (rabbit eye)

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### 12) Ecological information

Biodegradability :	90 - 100 %
Fish toxicity :	LC <sub>50</sub> > 500 mg/l (96 h, golden orfe) Method : OECD 203
Bacteria toxicity :	EC <sub>50</sub> > 1.000 mg/l Method : OECD 209
Chemical oxygen demand (COD) :	300 mg/g
Biochemical oxygen demand (BOD <sub>5</sub> ):	210 mg/g

Remarks: Product does not add to the AOX-value of the sewage. (DIN EN 1485)  
The product does not contain heavy metals in concentrations of concern for waste water.

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### 13) Disposal considerations

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040215 wastes from finishing other than those mentioned in 04 02 14

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

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### 14) Transport information

ADR	Non-hazardous goods
ADNR	Non-hazardous goods
RID	Non-hazardous goods

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IMDG	Non-hazardous goods
IATA_C	Non-hazardous goods
IATA_P	Non-hazardous goods

Other information      Irritating to the eyes, Weak odour, Keep separated from foodstuffs.

### 15) Regulatory information

Labelling in accordance with the EEC directives:

Hazard symbols:                      Xi                      Irritant

contains:                      Citric Acid

R36 :                      Irritating to eyes.

S26 :                      In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 :                      Wear suitable gloves and eye/face protection.

TA-Luft (Ger.) :                      number/class : Classification according to the German Technical Guideline-Air: Number 3.1.7 organic substance / Class II

Water Hazard Class (Ger.) :      WGK 1 - slightly hazardous to water WGK = Classification in accordance with the German Water Resources Act

Other regulations: Self-commitment of TEGEWA on the classification of textile chemicals in accordance to their relevance to waste-water : ARS I : Less relevant to waste-water.

### 16) Other information

Text of all R phrases referred to in sections 2 and 3:

36	Irritating to eyes.
36/38	Irritating to eyes and skin.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.