



**German metal Surface treatment Chemicals Co.
Research and Development Department.
Detergent and disinfectants Division.**

MATERIAL SAFETY DATA SHEET

Biostar 40 D

Fabric softener Blue

MANUFACTURER:

German metal surface treatment (SUGEST)

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1. Product and Company Identification

NAME Biostar 40 D
USE used as Fabric softener
LABEL Biostar 40 D
Company German metal surface treatment chemicals co.

2. Product Description

Biostar 40 D is perfumed liquid conditioner fabric, antistatic and bactericidal.

3. Hazards Identification

Emergency Overview

Classified as non-hazardous according to Worksafe Australia

This is a clear liquid with an added herbal and flower odour.

Potential Health Effects

HMIS: Health 1 Flammability 1 Reactivity 0 Personal Protection: E
4 = extreme 3 = high 2 = moderate 1 = slight

Inhalation: No adverse effects expected under typical use conditions. Adequate ventilation should be present for prolonged usage in small enclosed areas.

Skin contact: No adverse effects expected under typical use conditions. Prolonged exposure may cause dryness. Chemically sensitive individuals may experience mild irritation.

Eye contact: Minimal Irritant



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Ingestion: Harmful if swallowed, may cause irritation to mouth, throat and stomach .

Medication Conditions Aggravated by Exposure: Dermally sensitive users may experience irritation.

4. Chemical Composition

Ingredient	CAS No	Percent
Esterquat	91995-81-2	5 - 15
PROPAN-2-OL	67 - 63 - 0	1 - 5
Water	7732 - 18 - 5	To 100

5. Physical and Chemical Properties

Appearance liquid Multi colored according delivery

Odor Fragrance

pH 2.2 – 3

Solubility in water Completely soluble in water

6. First Aid Measures

Inhalation:

Remove to fresh air.

Skin contact:

Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. irritation persists seek immediate medical attention.

Eye contact:

In case of contact with the eyes, rinse immediately with plenty of water for 10 minutes, and if irritation persists, seek immediate medical attention.

Ingestion:

Seek medical advice. DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

7. Fire Fighting Measures

Fire: Non flammable , avoid excessive heat and ignition sources

Fire Extinguishing Media: water spray foam carbon dioxide (CO₂) dry chemical.



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Hazardous combustion products: In event of fire created carbon oxides may be formed.

Materials to avoid: avoid oxidizing agents.

8. Accidental Release Measures

Use personal protection recommended in Section 10 , isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:

Prevent runoff from entering drains, sewers or waterways.

Clean-up methods:

Eliminate all ignition sources. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dilute with water and rinse into sanitary sewer system or dispose into suitable container.

9. Handling and Storage

Handling:

Before use carefully read the product label. Use of safe work practices are recommended to avoid eyes or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated area (eg. If container is damaged).

Storage:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Removed from oxidizing agents, acids and foodstuffs. Ensure containers are adequately labeled and protected from physical damage when not in use.

Temperature Limit: max 35 °C.

Maximum Storage Period: 24 Months under standard storage conditions.

Container Type Packaging must comply with requirements of Hazardous Substances (Packaging) Regulations 2001.

For information on product shelf life, please review labels on container.

10. Exposure Controls/Personal Protection

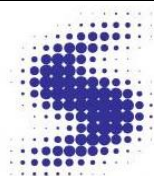
Exposure Limit Values:

Hazardous components	ACGIH TLV	OSHA PEL	Mexico
Propan-2-ol	200 ppm STEL	400 ppm TWA	500 ppm (STEL) 1225 mg/m ³ (STEL) 400 ppm (TWA) 980 mg/m ³ (TWA)

Ventilation Requirements No special ventilation requirements General room ventilation is adequate.

Respiratory protection:

Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.



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Eye/face protection: Safety glasses.

Skin protection: For prolonged or repeated handling, use gloves.

General Hygiene Considerations: Avoid direct contact with eyes.

11. Stability and Reactivity

Stability: Stable

Polymerization: Hazardous polymerization does not occur

Hazardous decomposition products: May start to hydrolyze > 50 °C.

Materials to avoid: Do not mix with chlorinated products.

Conditions to avoid: Do not mix with any other product or chemical, Strong oxidizers .

12. Toxicological information

Effects of Exposure: Irritated eyes, cough and irritation of nasal passageway.

Acute

Acute Toxicity: LD 50 >2000 mg/kg (oral rat)

Carcinogens: No ingredients are listed by OSHA, IARC, or NTP as known or suspected carcinogens.

• Ecotoxicity:

Environmental information currently available for the ingredients of this preparation indicates that it does not contain any ingredients currently classified as Dangerous for the Environment.

DEGRADABILITY

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

ACUTE FISH TOXICITY

May be dangerous to fish at high concentrations due to this being an unnatural aquatic environment, but not classified as being Toxic or Very Toxic to aquatic organisms.

WATER HAZARD CLASSIFICATION

The surfactants contained in this preparation have been classified as biodegradable.

Name Esterquat LC 50, 96 Hrs, Fish mg/l >1
EC 50, 48 Hrs, Daphnia, mg/l 10000

13. Disposal Considerations

Disposal method:

Industrial setting: Disposal is according to all federal, state and local authorities for restrictions on disposal of chemical waste, manage chemical, waste through an approved waste treatment facility, do not reuse empty container in accordance with current local community codes please recycle empty container whenever possible.

Household setting : Consumer may discard empty container in trash, or recycle where facilities exist.

14. Transport information



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DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information
Land and Sea Transport

UN Number: NONE
Shipping Name: Biostar 40 D
Packing Group: NONE

15. Other Information

RISK PHRASES

R36 Irritating to eyes.

SAFETY PHRASES

S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. CHIP 3 The Control of Substances Hazardous to Health Regulations 1994

16. Packing

Packaging type: HDPE containers and sealed cap.

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