



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

MATERIAL SAFETY DATA SHEET

Biostar 7

Laundry liquid detergent

MANUFACTURER:

German metal surface treatment (SUGEST)

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1. Product and Company Identification

NAME Biostar 7
USE used as Laundry Liquid detergent
LABEL Biostar 7
Company German metal surface treatment chemicals co.

2. Product Description

Biostar 7 is High-quality, Liquid Laundry detergent concentrate for commercial, industrial, institutional.

3. Hazards Identification

Emergency Overview

Classified as non-hazardous according to Work safe Australia

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

For more information on fragrance. <https://ifragrance.org/priorities/ingredients/ifra-transparency-list>

Meets Green Seal's requirements for acute toxicity and eye damage at the as-used dilution

Potential Health Effects

HMIS: Health 0 Flammability 0 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.



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Eye contact: Minimal Irritant

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
Linear Alkyl Benzene Sulfonic Acid (Ionic surfactant)	42615 - 29 - 2	10 - 25
Nonionic surfactant	Property	5 - 20
Sodium Hydroxide	1310-73-2	1 - 5
Conditioner	68439-50-9	15 - 20
Fragrance IFRA 12890*	68439-50-9	0.3
Colorant CI 42090	3844-45-9	0.0007
Stabilizer	2809 – 21 - 4	0.1 - 3
Water	7732 – 18 - 5	To 100

*For more Fragrance information; <https://ifrafragrance.org/priorities/ingredients/ifra-transparency-list>

5. Physical and Chemical Properties

Test	Specification
Description	translucent blue liquid
Colour ΔE (Lovibond LC100)	51.8 to 53.3
pH, undiluted at 20 °C	9.5 to 10.5
pH, product as used at 20 °C	7 - 8.5
Density g/cm ³ at 25 °C	0.980 to 1.1
Viscosity at 20 °C	100 to 450 mPa.s
Foam Level	MAX 25 ml after 40 Sec

6. First Aid Measures

Inhalation:
 Remove to fresh air.



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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

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

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

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. Store away from oxidizing agents, acids and foodstuffs. Ensure containers are adequately labeled and protected from physical damage when not in use. Temp. Limit: max 35 °C and Maximum Storage Period: 24 Months

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



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Exposure Limit Values: Not applicable

Engineering controls:

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.

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:

Oral LD50 (rat) > 5 g/kg body weight

Dermal LD50 (rabbit) > 2 g/kg body weight

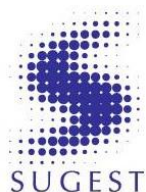
Calculated via OECD Harmonized Integrated Classification System for Human Health & Environmental Hazards of Chemical Substances and Mixtures

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

- **Ecoloxicity:** The product is toxic to aquatic organisms.
- **Ecological Overview:** Not expected to cause significant environment impact.
- **Mobility:** The product will dissolve in water.
- **Persistence / Degradability:** This product is readily biodegradable with respect to EC criteria.
- **Bio-accumulation:** Product is surface active, Log Pow inappropriate.
- Do not release into surface waters.

13. Disposal Considerations

Disposal method:



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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

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 7 Liquid Laundry detergent
Packing Group: NONE

15. Other Information

International Inventories

All chemicals listed on the Australian Inventory of Chemical Substances (AICS)

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the standard for the Uniform Scheduling of Drugs and Poisons (SUSDP)

16. Packing

Biostar 7 HDPE containers and sealed cap.

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