

Nanoman Biocleaner super concentrate

1. Identification

Product name	Nanoman Biocleaner super concentrate (product code 99)
Recommended use	Water-based cleaner and degreaser for industrial and institutional use. Dilute before use.
Uses advised against	Undiluted use; uses other than those recommended.
Supplier	Nilima Nanotechnologies, Mumbai, Maharashtra, India
Email / web	info@nilimanano.com · nanoman.co.in
Emergency	Contact your local poison information centre or emergency services.

2. Hazard identification

GHS classification	Not classified as hazardous.
Pictograms / signal word	None required.
Precautionary statements	P102 Keep out of reach of children. P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Other hazards	Mildly alkaline in concentrated form; may irritate eyes on direct contact. Not PBT or vPvB.

3. Composition / information on ingredients

Ingredient	CAS no.	Content	Classification
Bio-based surfactant (fermentation-derived biopolymer)	Confidential	5–10%	Not classified
Alkylamidopropyl betaine	147170-44-3	5–10%	Eye Irrit. 2 (as raw material)
Trisodium citrate	6132-04-3	5–10%	Not classified
Sodium carbonate	497-19-8	5–10%	Eye Irrit. 2 (as raw material)
Lemon oil	8008-56-8	<0.1%	Below threshold
Water	7732-18-5	balance	Not classified

Contains no enzymes, live micro-organisms, lye (sodium or potassium hydroxide), solvents, phosphates, chlorine or PFAS.

4. First-aid measures

Eyes	Rinse immediately with plenty of water for at least 10 minutes, holding eyelids open. Remove contact lenses. If irritation persists, get medical advice.
Skin	Wash off with water. No special measures normally needed.
Ingestion	Rinse mouth and drink water. Do not induce vomiting. Get medical advice if unwell.
Inhalation	Not expected to be a route of exposure. Move to fresh air if spray mist causes discomfort.
Notes for doctor	Treat symptomatically.

5. Fire-fighting measures

Flammability	Not flammable (water-based).
Extinguishing media	Use media suited to the surrounding fire.
Special hazards	None known. In a fire, carbon oxides may form from the packaging and organic content.
Protective equipment	Standard fire-fighting gear.

6. Accidental release measures

Personal precautions	Spilled product makes floors slippery. Wear eye protection.
Environmental precautions	Do not let undiluted product enter surface water in large quantities.
Clean-up	Absorb with sand, sawdust or a universal binder, or dilute with plenty of water and rinse to the drain where local rules allow.

7. Handling and storage

Handling	Avoid eye contact. Always dilute before use: 1 L super concentrate made up to 10 L with RO or DI water, then diluted further for the job. Do not mix with other chemicals.
Storage	Store at 5–35 °C in the original closed container. Protect from frost, direct sunlight and air. Keep out of reach of children.
Shelf life	24 months unopened. Use diluted product within 14 days.

8. Exposure controls / personal protection

Exposure limits	None established for the ingredients.
Engineering controls	Normal ventilation.
Eyes	Safety glasses when handling the concentrate or spraying.
Hands	Nitrile gloves recommended for prolonged contact with the concentrate.
Respiratory	Not required under normal use.

9. Physical and chemical properties

Appearance	Clear liquid, bright yellow to green
Odour	Faint citrus
pH (super concentrate)	10.8–11.3
Density at 20 °C	1.10–1.12 g/cm ³
Viscosity	300–600 cSt
Surface tension	20–30 mN/m
Boiling point	About 100 °C
Flash point	Not applicable; not flammable
Solubility in water	Fully miscible

10. Stability and reactivity

Stability	Stable under recommended storage conditions.
Conditions to avoid	Frost; temperatures above 35 °C for long periods.
Incompatible materials	Strong acids and strong oxidisers.
Hazardous decomposition	None known under normal use.

11. Toxicological information

Classification	Not classified as hazardous for health.
Eyes	The concentrate may cause temporary irritation.
Skin	Not expected to irritate at in-use dilutions.
Further data	Available on request from info@nilimanano.com .

12. Ecological information

Classification	Not classified as hazardous to the aquatic environment.
Biodegradability	The surfactants are readily biodegradable.
Bioaccumulation	Not expected.
Further data	Available on request from info@nilimanano.com .

13. Disposal considerations

Diluted product can go to the drain where local rules allow. Dispose of large quantities of concentrate through a licensed waste contractor in line with local regulations. Rinse empty containers with water and recycle (HDPE).

14. Transport information

Not classified as dangerous goods for transport by road, rail, sea (IMDG) or air (IATA). No UN number.

15. Regulatory information

Not classified as hazardous under GHS. Surfactants meet ready biodegradability criteria. Users should check national and local regulations that apply to their use.

16. Other information

This sheet describes the product for safety purposes only and is based on our current knowledge. It does not form a specification. See the technical data sheet (TDS 99) for use instructions. Issue 1, October 2026, Nilima Nanotechnologies.