Safety Data Sheet

For INDIA, According to GHS (Rev. 8)

GINOPOL 24NS

Date of compilation: 19-08-2026 | Revised: 19-08-2026 | Version: 1

SECTION 1: IDENTIFICATION

1.1 GHS Product identifier:

GINOPOL 24NS
Sodium Lauryl Sulfate (SLS) Needles, Fine/Special Grade (24NS)
CAS: 151-21-3

Other means of identification:

Not relevant

1.2 Recommended use of the chemical and restrictions on use:

Relevant uses: Anionic surfactant used in soap noodle/bar, toilet soap, shampoo, toothpaste and household/industrial cleaning formulations, as a foaming, wetting and cleansing agent for personal care and detergent manufacture. For industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3.

1.3 Supplier's details:

SURAJ CHEMICALS
No 92, Govindappa Naicken Street, Shiva Complex, Chennai – 600001, Tamil Nadu, India
Tel: +91 - 7092722822, +91 - 9840284032 / +91 - 44 - 25393652, 42130281
Email: sales@surajchemicals.com | Website: www.surajchemicals.com
GST No: 33ACEPV8190L1ZZ

1.4 Emergency phone number:

Emergency Contact No: +91 - 7092722822, +91 - 9840284032

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

GHS:
Classification of this product has been carried out in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), based on the well-established, publicly documented hazard profile of Sodium Lauryl Sulfate (CAS 151-21-3):

Acute Tox. 4	Acute oral toxicity, Category 4, H302
Skin Irrit. 2	Skin corrosion/irritation, Category 2, H315
Eye Dam. 1	Serious eye damage/eye irritation, Category 1, H318
STOT SE 3	Respiratory tract irritation, single exposure, Category 3, H335

2.2 GHS label elements, including precautionary statements:

GHS: Danger

Hazard statements:

H302 – Harmful if swallowed.
H315 – Causes skin irritation.
H318 – Causes serious eye damage.
H335 – May cause respiratory irritation.

Precautionary statements:

P261: Avoid breathing dust/mist.
P264: Wash skin/hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P332+P313: If skin irritation occurs, get medical advice/attention.
P501: Dispose of contents/container in accordance with local regulations on industrial waste.

2.3 Other hazards which do not result in classification:

Not relevant

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances:

Chemical description: Sodium Lauryl Sulfate, solid (fine needles/flakes) – White to off-white, fine needles

In accordance with Annex 4.3.3 of the GHS, the product typically contains:

Identification	Chemical Name / Classification	Concentration
CAS: 151-21-3	Sodium Lauryl Sulfate (Sodium Dodecyl Sulfate) — Acute Tox. 4 (oral): H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; STOT SE 3: H335 – Danger	Typically ≥ 90% w/w
CAS: 7757-82-6	Sodium sulphate – Not classified	Max 8%
CAS: 112-72-1	Unreacted lauryl alcohol (trace) – Not classified	Max 2%

Nominal active content is based on the commonly marketed commercial specification for SLS needles/granules; the exact grade-specific assay for this Suraj Chemicals batch is available on request. To obtain more information on the hazards of the substances, consult sections 11, 12 and 16.

3.2 Mixtures:

See composition table above – this product is an anionic-surfactant-based mixture; the exact batch/grade formulation is proprietary to the manufacturer and is available on request.

SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures:

Take off immediately all contaminated clothing. Self-protection of the first aider is advised.

By inhalation:

Remove to fresh air and keep at rest. Seek medical attention if breathing difficulty or irritation persists.

By skin contact:

Wash immediately with plenty of water and soap. Remove contaminated clothing.

By eye contact:

Flush immediately with plenty of water for at least 15 minutes, holding eyelids apart. Remove contact lenses if present and easy to do. Seek immediate medical attention.

By ingestion/aspiration:

Rinse mouth with water (only if the person is conscious). Do not induce vomiting. Call a physician immediately if a significant amount has been swallowed.

4.2 Most important symptoms/effects, acute and delayed:

Inhalation: dust may cause coughing and irritation of the nose, throat and respiratory tract. Skin contact: irritation, redness, defatting of skin on repeated/prolonged contact. Eye contact: serious eye damage – redness, pain, watering, possible corneal injury. Ingestion: harmful if swallowed; may cause gastrointestinal irritation, nausea and vomiting.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Symptomatic treatment as required.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Suitable: Water spray, foam, dry chemical powder, carbon dioxide (CO_2).
Unsuitable: None known

5.2 Specific hazards arising from the chemical:

Not classified as flammable or explosive. Fine dust dispersed in air may present a combustible dust hazard under specific conditions of concentration/ignition; avoid dust accumulation. Combustion may generate oxides of carbon and sulfur.

5.3 Special protective actions for fire-fighters:

Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus and full protective clothing.

Additional provisions:

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Wear suitable protective equipment to prevent contamination of skin, eyes and clothing. Avoid generating and inhaling dust; spilled material may make floors slippery.

For emergency responders:

Wear protective equipment described in Section 8. Keep unprotected persons away.

6.2 Environmental precautions:

Keep away from drains, surface water and ground water. Retain contaminated washing water for disposal.

6.3 Methods and materials for containment and cleaning up:

Cover drains. Sweep/vacuum up the spilled solid carefully to minimise dust generation and collect in a clean, dry, labelled container for disposal or reuse. Wash the residual area with water.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A. General precautions for safe use:

Provide sufficient ventilation. Avoid generating dust; use local exhaust ventilation where fine powder/needles are handled in bulk. Avoid contact with skin and eyes.

B. Technical recommendations for the prevention of fires and explosions:

Avoid static electricity build-up during bulk handling/pneumatic transfer of powder/needles; bond and earth equipment as appropriate.

C. Technical recommendations on general occupational hygiene:

Do not eat, drink or smoke in work areas. Wash hands before breaks and after work.

D. Technical recommendations to prevent environmental risks:

Prevent release to drains, surface water and groundwater. See subsection 6.2.

7.2 Conditions for safe storage, including any incompatibilities:

A. Specific storage requirements:

Recommended storage temperature	Below 35°C, dry conditions
Packaging	Keep bags/containers tightly closed

B. General conditions for storage:

Store in a cool, dry, well-ventilated area, protected from direct sunlight and moisture (product is hygroscopic and may cake/clump on prolonged exposure to humid air). Store away from strong oxidising agents, strong acids and strong alkaline materials. For additional information see subsection 10.5.

7.3 Specific end use(s):

No additional information available beyond uses listed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Sodium Lauryl Sulfate (CAS 151-21-3): no occupational exposure limit (OEL) has been established for this substance under the Factories Act, 1948, or comparable standard lists; a general nuisance-dust limit of 10 mg/m^3 (total inhalable dust, 8-hr TWA) is commonly applied as good practice.

8.2 Appropriate engineering controls:

Provide sufficient general/local exhaust ventilation as a collective protection measure, in addition to individual PPE as needed.

B. Respiratory protection:

Use a suitable dust mask/respirator (e.g. FFP2) where dust is generated, such as during bulk handling or bag emptying.

C. Specific protection for the hands:

Wear suitable chemical-resistant gloves – nitrile or natural rubber (NR)/latex, minimum thickness 0.35–0.65 mm.

D. Eye and face protection:

Use safety goggles with side protection; wear face protection where dust generation may occur.

E. Bodily protection:

Protective clothing (apron/coverall); preventive skin protection (barrier creams/ointments) is recommended.

F. Additional emergency measures:

Emergency shower and eyewash stations should be available near the work area.

Environmental exposure controls:

Avoid environmental spillage of both the product and its packaging. See subsection 6.2.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance	
Physical state at 20°C	Solid (fine needles/flakes)
Appearance	Solid (fine needles/flakes)
Color	White to off-white, fine needles
Odor	Characteristic (mild fatty/soapy odor)
Odour threshold	Not available
Volatility	
Boiling point at atmospheric pressure	Not applicable (solid)
Vapour pressure	Not available
Evaporation rate	Not applicable
Product Description	
Density / Relative density	Not available
Bulk density	Available on request (grade-specific)
pH (1% aqueous solution)	7.0 – 9.5
Vapour density	Not applicable
Partition coefficient n-octanol/water (log KOW)	1.6 (approx., literature value)
Solubility in water	Soluble
Melting point/freezing point	Approx. 204 – 207°C (decomposes)
Flammability	
Flash Point	Not applicable (solid, non-flammable in this form)
Flammability (solid, gas)	Not classified as a flammable solid; fine dust may be combustible – avoid dust accumulation
Autoignition temperature	Not available
Lower / Upper flammability limit	Not available

Values reflect the well-established public physicochemical profile for Sodium Lauryl Sulfate (CAS 151-21-3); grade-specific batch figures for this Suraj Chemicals product are available on request.

9.2 Other information:

Explosive properties	Not available
Oxidising properties	Not available
Dynamic viscosity	Not applicable (solid)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Reacts with strong oxidising agents; otherwise not reactive under normal conditions of use.

10.2 Chemical stability:

Stable under normal conditions of storage and handling.

10.3 Possibility of hazardous reactions:

Hazardous polymerisation will not occur.

10.4 Conditions to avoid:

Shock/Friction	Contact with Air	Increase in Temperature	Sunlight	Humidity
Not applicable	Not applicable	Keep away from heat, sparks and flame	Avoid prolonged direct sunlight	Avoid moisture (product is hygroscopic)

10.5 Incompatible materials:

Reactive with strong oxidising agents, strong acids and strong alkaline materials.

10.6 Hazardous decomposition products:

Will not occur under normal use and temperature conditions. Thermal decomposition/combustion may release oxides of carbon and sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

In case of exposure that is repetitive, prolonged, or at concentrations higher than recommended, adverse health effects may result depending on the means of exposure:

A. Ingestion (acute effect):

LD50 oral, rat: approx. 1288 mg/kg (literature value). Harmful if swallowed; causes irritation to mouth, throat and stomach.

B. Inhalation (acute effect):

Dust may cause irritation of the nose, throat and respiratory tract; may cause respiratory irritation (H335).

C. Contact with skin and eyes (acute effect):

Contact with skin causes irritation; contact with eyes causes serious eye damage.

D. CMR effects (carcinogenicity, mutagenicity, reproductive toxicity):

Not classified as a germ cell mutagen, carcinogen, or reproductive toxicant based on available data. IARC: Not listed.

E. Sensitizing effects:

Not classified as a respiratory or skin sensitizer based on available data.

F. Specific target organ toxicity (STOT) – single exposure:

May cause respiratory irritation (H335) on inhalation of dust.

G. Specific target organ toxicity (STOT) – repeated exposure:

Classification criteria are not met based on available data.

H. Aspiration hazard:

Not classified based on available data.

Product-specific toxicological information (Acute Toxicity Estimate):

Exposure route	Effect rate / concentration	ATE value
Acute Oral	LD50, rat	≈ 1288 mg/kg
Acute Dermal	LD50, rabbit	> 2000 mg/kg
Acute Inhalation	LC50, rat (4h, dust)	Not fully established (respiratory irritant, H335)

SECTION 12: ECOLOGICAL INFORMATION

Harmful to aquatic life.

12.1 Toxicity:

Acute Toxicity	Species	Genus
LC50: approx. 1.5 – 4.5 mg/L (96h)	Pimephales promelas / freshwater fish	Fish
EC50: approx. 1 – 5 mg/L (48h)	Daphnia magna	Crustacean

12.2 Persistence and degradability:

Readily biodegradable (anionic surfactant meeting OECD ready-biodegradability criteria).

12.3 Bioaccumulative potential:

Log Pow (approx. 1.6) indicates low bioaccumulation potential; not expected to bioaccumulate significantly.

12.4 Mobility in soil:

Not available

12.5 Results of PBT and vPvB assessment:

Not available

12.6 Other adverse effects:

Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Do not empty into drains; avoid release to the environment. Not classified as a hazardous waste under normal conditions; dispose of according to applicable central/state pollution control regulations. All waste must be handled in accordance with local, state and central regulations, which may vary by location.

Waste shall be separated into categories that can be handled by local/national waste management facilities, per relevant provisions.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land (ADR 2023 / RID 2023):

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	Non-hazardous for transport
14.4 Packing group	Not applicable
14.5 Environmental hazard	Not classified for transport purposes
14.6 Special precautions for user	None
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

Transport of dangerous goods by sea (IMDG 41-22):

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	Non-hazardous for transport
14.4 Packing group	Not applicable
14.5 Marine pollutant	No
14.6 Special precautions for user	None
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

Transport of dangerous goods by air (IATA/ICAO 2024):

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	Non-hazardous for transport
14.4 Packing group	Not applicable
14.5 Environmental hazard	Not classified for transport purposes
14.6 Special precautions for user	Not necessary
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

According to available data, this product is not a specially regulated substance; observe prescribed central, state and local measures while handling industrial chemicals.

Other legislation:

Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
The Factories Act, 1948 (Act No. 63 of 1948), as amended by the Factories (Amendment) Act, 1987 (Act 20 of 1987)

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with Annex 4 – Guidance on the preparation of Safety Data Sheets of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), based on the well-established, publicly documented hazard classification for Sodium Lauryl Sulfate (CAS 151-21-3).

Texts of the legislative phrases mentioned in sections 2 and 3:

H302: Harmful if swallowed.

H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

Publicly available GHS/CLP classification and toxicological data for Sodium Lauryl Sulfate (CAS 151-21-3); standard industry references for SLS needle/granular commercial grades. Grade-specific proprietary figures not covered by public data are marked "Available on request" above.

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals | ATE: Acute Toxicity Estimate | CMR: Carcinogenic, Mutagenic or toxic for Reproduction | Log KOW: N-octanol/water partition coefficient | PBT: Persistent, Bioaccumulative and Toxic | vPvB: Very Persistent and very Bioaccumulative | OEL: Occupational Exposure Limit

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END OF SAFETY DATA SHEET