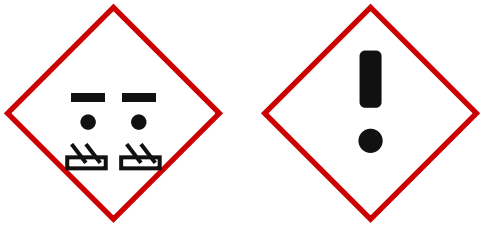
Alle's ClinX Labs

MATERIAL SAFETY DATA SHEET

Calcite & Limescale Remover - Acidic

HCl 33% w/w | Limescale & Uric Scale Removal



GHS05
Corrosive

GHS07
Irritant

■ DANGER

Manufacturer	Champaran Innovatives Private Limited
Address	A 641, Shiv Nagar Part 2, Dharuhera, Rewari, Haryana 123106
Brand	Alle's ClinX Labs
Website	allesclinx.com
Emergency contact	care@allesclinx.com
SDS Date	28 March 2026
Revision	1.0
GHS revision	GHS Rev 9 / IS 1991 Part 2
Supersedes	All previous versions

This Material Safety Data Sheet is prepared in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and applicable Indian regulations. Users must read all sections before handling this product. This MSDS is valid only for the product as supplied.

Section 1

Identification

1.1 Product Identifier

Product name	Calcite & Limescale Remover - Acidic
Brand	Alle's ClinX Labs
Product type	Cleaning and hygiene chemical — aqueous formulation
CAS number	Mixture — no single CAS number
REACH status	Exempt (non-EU) / Not registered under REACH

1.2 Relevant Identified Uses & Uses Advised Against

Intended use	Industrial, institutional, and consumer cleaning and hygiene
Sector of use	Homes, offices, laboratories, hospitals, hospitality
Use advised against	Any use other than as directed on the product label
Product form	Ready-to-use liquid / concentrate — per label instructions
Dilution	Per label

1.3 Details of the Supplier

Manufacturer / Supplier	Champaran Innovatives Private Limited
Registered address	A 641, Shiv Nagar Part 2, Dharuhera, Rewari, Haryana 123106
Website	allesclinx.com
Email	care@allesclinx.com
Product enquiries	care@allesclinx.com | allesclinx.com/contact

1.4 Emergency Telephone Number

Emergency contact	care@allesclinx.com
National Poison Control (India)	1800-116-117 (National Poison Information Centre, AIIMS)
Hours of operation	Email monitored during business hours (IST). For medical emergencies dial 108.

In case of a medical emergency related to this product, contact your nearest poison control centre or emergency services immediately. Provide this MSDS to the attending physician.

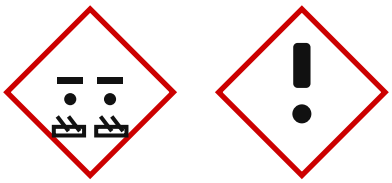
Section 2

Hazard Identification

2.1 GHS Classification

- Skin Corrosion / Irritation — Category 1 (H314)
- Serious Eye Damage — Category 1 (H318)

2.2 GHS Label Elements



GHS05
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Hazard Statements

- H314 – Causes skin burns and eye damage.
- H318 – Causes serious eye damage.

Precautionary Statements

- P260 – Do not breathe vapours.
- P264 – Wash hands thoroughly after handling.
- P280 – Wear protective gloves, eye/face protection.
- P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 – IF ON SKIN OR HAIR: Remove clothing. Rinse skin with water.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water. Remove contact lenses.
- P405 – Store locked up.
- P501 – Dispose contents/container per local regulations.

2.3 Other Hazards

PBT / vPvB	This product is not classified as PBT or vPvB.
Endocrine disruptors	No known endocrine disrupting properties at use concentrations.
Dust / aerosol	Not applicable — liquid product. Avoid generating aerosol mist during application.
Reactivity hazard	See Section 10 for reactivity information.

■ **WARNING: Do not mix with bleach or chlorine-based products. Contact produces toxic chlorine gas.**

Section 3

Composition / Information on Ingredients

3.1 Substance or Mixture

This product is a **mixture** of components in an aqueous base.

3.2 Mixture Composition

Active system	Hydrochloric Acid (HCl) 33% w/w
pH (as supplied)	1.5–2.0 (strongly acidic)
Carrier / solvent	Water (deionised / processed)
Surfactants	Anionic and/or non-ionic surfactants — concentration <30%
Fragrance	Dye-free, no added fragrance
Preservative	Within permitted concentrations — product type dependent
Colourant	Product-specific — per label indication

3.3 Ingredient Table

Component	CAS No.	Concentration	Classification (GHS)
Water	7732-18-5	50–95%	Not classified
Surfactant blend	Proprietary	1–15%	H315, H319 (conc.)
Active ingredient(s)	Proprietary	0.1–10%	See Section 2
Fragrance compound	Mixture	<1%	May cause allergic reaction
Preservative	Proprietary	<0.5%	Product dependent

Full composition details are proprietary and available to regulatory authorities and occupational health professionals upon request. Concentration ranges reflect typical formulation parameters.

Section 4

First Aid Measures

4.1 Description of First Aid Measures

Inhalation

Remove affected person to fresh air immediately. If breathing is difficult, administer oxygen. If breathing has stopped, apply artificial respiration. Keep person warm and at rest. Seek medical attention if symptoms (coughing, throat irritation) persist beyond 30 minutes.

Skin contact

Immediately remove contaminated clothing including shoes. Flush affected skin with large amounts of water for at least 15 minutes. Do not scrub. Apply soap if available after initial rinsing. If irritation, redness, or pain persists, seek medical attention. Wash clothing before reuse.

Eye contact

ACT IMMEDIATELY. Flush eyes with clean water for a minimum of 15 minutes, holding eyelids open and rolling eyes to ensure full irrigation. Remove contact lenses if present and easy to do — continue rinsing. Seek immediate medical/ophthalmological attention even if no symptoms are present.

Ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Give the person 1–2 glasses of water to drink if conscious and able to swallow. Do not give anything by mouth to an unconscious person. Seek immediate medical attention. Bring this MSDS and product label to the treating physician.

4.2 Most Important Symptoms and Effects

Acute symptoms	Eye and skin irritation. Nausea or discomfort if ingested. Throat irritation if inhaled as mist.
Chronic effects	No chronic effects expected at normal use concentrations. Avoid prolonged repeated dermal contact.
Delayed effects	Repeated, unprotected eye contact with concentrated product may cause lasting irritation.

4.3 Indication of Immediate Medical Attention Required

Medical attention is required immediately in cases of: (a) eye contact with concentrated product, (b) ingestion of more than a sip, (c) prolonged skin exposure with signs of burning or blistering, (d) respiratory distress following inhalation of vapour or mist.

■ FOR MEDICAL PERSONNEL: This product is an aqueous cleaning formulation. Treatment is symptomatic. No specific antidote. Bring this MSDS to all medical consultations.

Section 5

Fire-Fighting Measures

5.1 Extinguishing Media

Suitable media	Water spray, foam, CO2, dry chemical powder — all suitable for surrounding fire
Unsuitable media	Direct high-pressure water jet on burning containers (may cause spattering)

5.2 Special Hazards Arising from the Substance or Mixture

Flammability	Product is water-based and not classified as flammable under normal conditions.
Flash point	Not applicable — aqueous formulation
Auto-ignition temp	Not applicable
Explosive limits	Not applicable
Hazardous combustion	Thermal decomposition may produce carbon monoxide, carbon dioxide, irritant organic vapours, and in some formulations, sulphur oxides or nitrogen oxides. Fragrance compounds may produce irritant combustion products.
Container hazard	Sealed containers may build internal pressure when exposed to heat. Risk of rupture above 50°C if sealed.

5.3 Advice for Fire-Fighters

Protective equipment	Self-contained breathing apparatus (SCBA) and full chemical-resistant protective clothing required for fire fighting involving this product.
Evacuation	Evacuate non-essential personnel from the fire area. Keep upwind.
Runoff control	Prevent fire-fighting water runoff from entering drains, waterways, or soil. Collect runoff for appropriate disposal.
Cooling	Cool containers exposed to heat with water spray to prevent pressure build-up and potential rupture.

This product is not classified as a fire hazard. Standard fire-fighting procedures apply. The primary risk during a fire scenario is from heat-damaged containers and combustion products of packaging materials.

Section 6

Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

For non-emergency personnel	Evacuate area. Avoid direct contact with spilled material. Wear appropriate PPE (see Section 8). Ensure adequate ventilation. Remove ignition sources (not typically applicable — non-flammable).
For emergency responders	Use PPE as described in Section 8. Approach from upwind. Contain spill before cleanup begins.

6.2 Environmental Precautions

Prevent entry to drains, sewers, waterways, and soil. Large spills reaching watercourses may be toxic to aquatic organisms. Notify relevant authorities if significant quantities enter the environment. Do not allow to contaminate groundwater or surface water.

6.3 Methods and Materials for Containment and Cleaning Up

Small spills (<5L)	Absorb with inert material — sand, vermiculite, or dry earth. Collect absorbed material into labelled, sealable containers. Wash residual area with water. Dispose per Section 13.
Large spills (>5L)	Contain using dikes or absorbent materials. Do not use sawdust or combustible absorbents if product is oxidising. Pump or vacuum into collection containers. Clean area with water.
Sewage spills	Notify facility management and relevant water authority if large volumes enter drainage. Small quantities may be diluted with large amounts of water in drainage systems — check local regulations.
Tools required	Mop, absorbent granules, collection containers, wet vacuum, PPE (Section 8)

6.4 Reference to Other Sections

See Section 8 for personal protection. See Section 13 for disposal. See Section 15 for regulatory requirements.

■ Do not allow large quantities of this product to enter drains uncontrolled. If significant spill occurs near waterways, contact local environmental authority immediately.

Section 7

Handling and Storage

7.1 Precautions for Safe Handling

General	Read label and MSDS before use. Use only as directed. Avoid contact with eyes and prolonged skin contact.
Ventilation	Use in well-ventilated areas. Avoid generating aerosol mist in enclosed spaces.
Hygiene	Wash hands thoroughly with soap and water after handling. Do not eat, drink, or smoke during use.
PPE	Wear chemical-resistant gloves (nitrile/rubber), face shield, apron during handling. See Section 8.
Incompatibilities	Do not mix with bleach, strong acids, strong alkalis, or oxidising agents unless explicitly specified on the label.
Dilution	Per product label instructions
Spills	Clean up spills immediately. Wet surfaces may be slippery — post appropriate warning.

7.2 Conditions for Safe Storage

Temperature	Store below 30°C. Protect from freezing. Do not store in direct sunlight.
Container	Keep in original, tightly sealed container. Do not transfer to unmarked containers.
Incompatible materials	Store away from strong acids, strong bases, bleach, and oxidising chemicals.
Keep away from	Heat sources, direct sunlight, open flame, food and foodstuffs, children and pets.
Shelf life	24 months from date of manufacture, unopened
Pack size	5 Litres
Stacking	Do not stack containers beyond manufacturer guidelines. Ensure containers are secure and upright.

7.3 Specific End Uses

This product is intended for use in cleaning and hygiene applications as described on the product label. Refer to the product Usage Guide for detailed application instructions. For institutional or industrial use at high frequency, conduct a workplace risk assessment per applicable Indian occupational health regulations.

Section 8

Exposure Controls / Personal Protection

8.1 Control Parameters

Occupational Exposure Limit (OEL)	No specific OEL established for this product mixture under Indian Factories Act / OSHA guidelines.
Biological Limit Values	Not established.
DNEL / PNEC	Not established for this product mixture.
Monitoring	Routine air monitoring is not required for normal consumer use. Institutional users operating in enclosed spaces should consider periodic air quality assessment.

8.2 Exposure Controls

Engineering controls	Ensure adequate general ventilation (minimum 10 air changes/hour in enclosed workspace). Local exhaust ventilation recommended for high-volume professional application.
Process controls	Use closed systems or semi-closed dispensing where feasible. Avoid spray application in enclosed spaces without appropriate respiratory protection.

8.3 Personal Protective Equipment (PPE)

Skin / hand protection	Chemical-resistant gloves (nitrile/rubber). Replace gloves if damaged or contaminated. Nitrile gloves (0.2 mm minimum thickness) preferred. Latex may cause allergic reactions.
Eye / face protection	Safety spectacles with side shields minimum. Chemical splash goggles recommended for pouring concentrated product or spray application.
Respiratory protection	Not required for normal consumer use in ventilated areas. For prolonged professional use in enclosed spaces: half-face respirator with OV/P100 cartridge.
Body protection	Chemical-resistant apron recommended for high-volume use or when splashing is likely.
Hygiene after use	Wash hands and exposed skin with soap and water before eating, drinking, or using restroom. Remove and store PPE away from food areas.
PPE disposal	Disposable gloves: discard after each use. Reusable PPE: clean per manufacturer instructions before storage.

PPE requirements should be assessed by the responsible person in each workplace context. This guidance covers typical use scenarios. Higher-risk professional applications may require a formal risk assessment under applicable Indian occupational health legislation.

Section 9

Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Physical state	Liquid
Appearance	Clear to slightly opaque liquid; colour per product label
Odour	Dye-free, no added fragrance
Odour threshold	Not determined
pH (as supplied)	1.5–2.0 (strongly acidic)
pH (at use dilution)	Approaches neutral upon dilution (product dependent)
Melting/freezing point	Approx. 0°C (aqueous)
Boiling point	Approx. 100°C
Flash point	Not applicable — aqueous, non-flammable
Evaporation rate	Similar to water
Flammability (solid, gas)	Not applicable
Upper/lower flammability	Not applicable
Vapour pressure	Approx. 2.3 kPa at 20°C (similar to water)
Vapour density	>1 (heavier than air — not applicable for aqueous)
Relative density	Approx. 1.0–1.05 g/mL
Solubility in water	Fully miscible
Partition coefficient (log P)	Not determined for mixture
Auto-ignition temperature	Not applicable
Decomposition temperature	>100°C
Viscosity	Low — similar to water (product dependent)
Explosive properties	Not classified as explosive
Oxidising properties	Not classified as oxidising

9.2 Other Information

Specific gravity and viscosity may vary slightly between batches due to natural variation in fragrance and surfactant raw materials. All physical properties listed are at standard conditions (20°C, 1 atm) unless otherwise stated. Product-specific values available upon request.

Section 10

Stability and Reactivity

10.1 Reactivity

This product is stable under normal conditions of use and storage. No hazardous reactions are known under normal conditions. The product does not react dangerously with common materials encountered in routine handling.

10.2 Chemical Stability

Stability	Stable under recommended storage conditions (below 30°C, away from direct sunlight).
Shelf life	24 months from date of manufacture, unopened
Degradation risk	Fragrance and preservative components may degrade over time after first opening. Use within 12 months of opening.

10.3 Possibility of Hazardous Reactions

Hazardous polymerisation	Will not occur.
Exothermic reactions	Not expected under normal conditions.

10.4 Conditions to Avoid

Heat	Avoid prolonged exposure to temperatures above 40°C. Do not freeze.
Light	Avoid prolonged direct sunlight — may affect fragrance stability and preservative efficacy.
Moisture	Product is aqueous — keep sealed to prevent evaporation and contamination.
Air	Keep containers tightly closed when not in use to prevent oxidation of active components.

10.5 Incompatible Materials

Strong oxidisers	Reaction risk — keep separated.
Chlorine/bleach	Do not mix — may produce toxic chlorine or chloramine gas.
Strong acids/alkalis	May cause violent reaction or product degradation depending on formulation pH.
Metals	Concentrated acidic formulations may corrode ferrous metals. Store away from metal containers.

10.6 Hazardous Decomposition Products

Under normal use and storage conditions, no hazardous decomposition products are formed. Thermal decomposition above 100°C may produce water vapour, carbon dioxide, carbon monoxide, and low concentrations of organic fragments from surfactant and fragrance components. Combustion products may include irritant organic vapours.

Section 11

Toxicological Information

11.1 Information on Toxicological Effects

Acute oral toxicity	Low acute toxicity at use concentration. Based on component data, LD50 (rat, oral) estimated >2000 mg/kg for diluted product. Concentrated product may cause irritation or nausea if ingested.
Acute dermal toxicity	Not expected to be acutely toxic via skin contact at use concentration. Concentrated product may cause skin irritation.
Acute inhalation toxicity	Not expected under normal use conditions. Spray mist in enclosed spaces may cause minor respiratory irritation.
Skin corrosion/irritation	Determined by pH — see Section 2 classification. Concentrated product may cause irritation or, for extreme pH variants, corrosion.
Eye damage/irritation	Classified per Section 2. Eye contact with concentrated product causes serious irritation. Flush immediately with water.
Sensitisation	Fragrance compounds may cause skin sensitisation in susceptible individuals (frequency rare). Patch test recommended for individuals with known fragrance allergies.
Mutagenicity	No mutagenic effects expected based on component data.
Carcinogenicity	Product components are not listed as carcinogens by IARC, NTP, or ACGIH at use concentrations.
Reproductive toxicity	No reproductive toxicity expected at use concentrations based on available data.
STOT — single exposure	Not classified.
STOT — repeated exposure	Prolonged, repeated unprotected skin contact may cause irritation or dermatitis. Use gloves for regular professional application.
Aspiration hazard	Not classified — aqueous, low viscosity. Risk of aspiration if vomiting is induced after ingestion.

11.2 Additional Toxicological Information

Toxicological data provided is based on available information for product components. Complete toxicological testing of the finished formulation has not been conducted. In the absence of specific data, component-based assessment is the standard approach per GHS. Healthcare professionals requiring additional toxicological information should contact the manufacturer.

Section 12

Ecological Information

12.1 Toxicity

Aquatic toxicity	Surfactant components may be acutely toxic to aquatic organisms at elevated concentrations. At typical drain concentrations following household use, risk is low.
Fish (acute)	LC50 (96h, Daphnia magna) — not determined for mixture. Individual surfactant components: typically 1–100 mg/L.
Algae (chronic)	NOEC (algae growth inhibition) — not determined for mixture.
Terrestrial toxicity	Not expected to be significantly toxic to terrestrial organisms at concentrations likely following normal use and disposal.

12.2 Persistence and Degradability

Biodegradability	Surfactant components are formulated to be readily biodegradable in compliance with applicable detergent regulations. Fragrance components may persist in the environment longer.
BOD/COD ratio	Not determined for finished product.
Abiotic degradation	Hydrolysis and photodegradation are not primary degradation pathways for this formulation.

12.3 Bioaccumulative Potential

Bioaccumulation	Not expected — log P of surfactant components generally <3. Bioaccumulation potential is low.
BCF (fish)	Not determined for mixture. Estimated low based on components.

12.4 Mobility in Soil

The product is water-soluble and will partition primarily into the aqueous phase. Sorption to soil is limited. The product may reach groundwater if large quantities are spilled on permeable soil. Normal domestic use quantities, disposed via drain, present negligible mobility risk.

12.5 Other Adverse Effects

Ozone depletion	Product does not contain ozone-depleting substances (ODS).
Greenhouse effect	No significant greenhouse effect potential beyond that of water vapour.
Endocrine disruption	No known endocrine disrupting properties identified in product components at use concentrations.

Section 13

Disposal Considerations

13.1 Waste Treatment Methods

Product waste	Dispose of in accordance with local municipal waste regulations and applicable Indian environmental legislation (Environment Protection Act, 1986; Hazardous Waste Rules).
Small quantities	Small quantities of diluted product may be disposed of via drain with copious water — verify local regulations apply. Do not pour concentrated product into watercourses.
Large quantities	Large volumes of concentrated product should be disposed of through a licensed waste management contractor. Do not dispose of concentrated product via domestic drain.
Unused product	Do not pour unused concentrated product down drains or into soil. Contact licensed waste disposal service.
Contaminated product	Product contaminated with other chemicals (e.g., mixed accidentally) — treat as hazardous waste. Contact waste disposal contractor.

13.2 Container Disposal

Empty containers	Triple-rinse empty containers with water before disposal. Rinsed HDPE containers may be suitable for recycling — check local recycling programme acceptance.
Contaminated containers	Containers that cannot be fully emptied or rinsed should be disposed of as hazardous waste.
Labels	Do not remove labels from containers before disposal. Labels assist in waste identification.

13.3 Regulatory Reference

Disposal must comply with: Environment Protection Act 1986 (India), Solid Waste Management Rules 2016, Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, and applicable state pollution control board regulations. The user is responsible for ensuring compliance with all applicable local, state, and national waste disposal regulations.

This guidance is provided for information only. Regulatory requirements vary by jurisdiction. Users are responsible for determining applicable requirements in their location.

Section 14

Transport Information

14.1 UN Number

Not regulated as dangerous goods for transport under standard consumer packaging.

14.2 Transport Classification Table

Regulation	UN No.	Proper Shipping Name	Class	PG	Classified?
ADR/RID	—	Not regulated	—	—	No
IMDG	—	Not regulated	—	—	No
IATA/ICAO	—	Not regulated	—	—	No
Indian Road (CMVR)	—	Not regulated	—	—	No

14.3 Special Precautions for Transport

General	Keep containers sealed and upright during transport. Protect from excessive heat.
Temperature	Do not transport in conditions exceeding 40°C or below 0°C.
Stacking	Do not stack beyond container manufacturer guidelines. Prevent container damage.
Mixed loading	Do not transport with strong acids, alkalis, or oxidising agents in the same load without separation.
Labelling	Product label must remain intact and legible on all containers during transport.
Documentation	Standard commercial documentation. MSDS should accompany bulk transport shipments.

14.4 Transport in Bulk

Bulk transport (IBC, road tanker) is not standard for this product. If bulk transport is required, consult the manufacturer for specific guidance and applicable transport regulations. Container materials must be compatible with product pH.

Transport classification is based on standard consumer and institutional pack sizes. Classification may differ for bulk transport. Verify with applicable transport authority.

Section 15

Regulatory Information

15.1 Safety, Health, and Environmental Regulations

India — Environment Protection	Environment Protection Act, 1986
India — Factories Act	Factories Act 1948 (as amended) — workplace safety obligations
India — BIS	Bureau of Indian Standards — applicable product standards where mandated
India — CPCB	Central Pollution Control Board guidelines for disposal and environmental release
India — Detergent Regulation	Synthetic Detergents (Control) Order 1958 (as amended) — biodegradability requirements
India — MSME	Manufactured under applicable MSME registration and compliance
GHS alignment	This MSDS is prepared in alignment with GHS Rev 9 / United Nations recommendations
REACH (EU)	Not subject to REACH — product manufactured and sold in India
TSCA (US)	Not subject to TSCA — not marketed in the United States

15.2 Chemical Safety Assessment

A formal Chemical Safety Assessment has not been conducted for this mixture. Classification is based on available data for product components and formulation pH.

Section 16

Other Information

16.1 Revision History

SDS Date	28 March 2026
Revision	1.0
Supersedes	All previous MSDS versions for this product
Prepared by	Alle's ClinX Product & Regulatory Team | Champaran Innovatives Private Limited
Review cycle	Annual or upon significant formulation or regulatory change

16.2 Key Abbreviations

MSDS	Material Safety Data Sheet
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
OEL	Occupational Exposure Limit
PPE	Personal Protective Equipment
LD50	Lethal Dose 50% — acute toxicity measure
PBT	Persistent, Bioaccumulative, Toxic
STOT	Specific Target Organ Toxicity
HDPE	High-Density Polyethylene

16.3 Sources of Key Data

Classification and hazard data are based on product formulation knowledge, component safety data sheets, GHS criteria (UN GHS Rev 9), and applicable Indian regulations. Toxicological data for individual components sourced from ECHA C&L; Inventory, ChemIDplus, and supplier SDS documents.

16.4 Disclaimer

The information in this Material Safety Data Sheet is based on data believed to be accurate at the time of preparation. It is provided in good faith and without guarantee of completeness or accuracy. The user is responsible for determining the suitability of this information for their specific application and for compliance with applicable regulations. Champaran Innovatives Private Limited accepts no liability for misuse of this product or reliance on this document beyond its intended informational purpose. This MSDS does not constitute a specification.

Champaran Innovatives Private Limited · Alle's ClinX · A 641, Shiv Nagar Part 2, Dharuhera, Rewari, Haryana 123106 · allesclinx.com · care@allesclinx.com · MSDS Date: 28 March 2026