

SAFETY DATA SHEET



Revision Date : 03/10/2023

REVISION NUMBER: 03

1. IDENTIFICATION

Product name: DESCALER PLUS

Synonyms: NONE

Recommended use: • Acidic cleaner concentrate to remove coffee, tea stains, milk scaling and hard water deposits from steel, porcelain and glass surfaces.

Uses advised against: Uses other than those identified are not recommended

Manufacturer Address:

Schevaran Laboratories Pvt. Ltd.
427/B, Hebbal Industrial Area,
Mysuru- 570 016. India.
Phone: 91-0821-2417455 / 4277500-520

Emergency telephone number: 91-0821-2417455 / 4277500

2. HAZARDS IDENTIFICATION

Classification for the undiluted product:

Skin corrosion/irritation: Category 1B

Serious eye damage/eye irritation: Category 1

Signal Word: Danger



Precautionary Statements

CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE.

Causes burns/ serious damage to mouth, throat and stomach. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash affected areas thoroughly after handling. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a physician. Wash contaminated clothing before reuse. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

* Blend of surfactant and mineral acid.

*Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Undiluted Product:

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin: In case of contact take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Get medical aid immediately.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen and get medical aid.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a plenty of milk or water. Get medical aid .

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed: Not applicable.

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: None known.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Extinguishing media which must not be used for safety reasons: None

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).

Environmental precautions and clean-up methods:

Clean-up methods - **large spillage:** Absorb with sand, earth or an inert material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN. Protect from direct sun light. Keep away from metals. Do not store in metal containers. Store protected from moisture.

Aerosol Level (if applicable): Not applicable

Incompatible materials: Alkali

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

PRODUCT COMPOSITION CAS#	ACGIH TLV	OSHA PEL	NIOSH IDLH/REL
Phosphoric acid 7664-38-2	1 mg/m3 TWA; 3 mg/m3 STEL	1 mg/m3 TWA	1 mg/m3 TWA 1000 mg/m3 IDLH

Engineering measures to reduce exposure:

No special ventilation requirements General room ventilation is adequate

Personal Protective Equipment

- Eye protection:** Chemical-splash goggles and face shield.
- Hand protection:** Chemical-resistant gloves.
- Skin and body protection:** No special requirements under normal use conditions.
- Respiratory protection:** No special requirements under normal use conditions. Self-contained breathing apparatus if required.
- Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES:

- Physical State:** Liquid
- Color:** Yellow to Orange
- Evaporation Rate:** No information available
- Odor:** None
- Odor threshold:** No information available.
- Boiling point/range:** Not determined
- pH@25°C:** Below 2.0 (<2)
- Specific gravity @25°C:** 1.10-1.3 g/ml
- Viscosity @25°C:** Not applicable
- Metal Corrosion:** Not determined

10. STABILITY AND REACTIVITY:

- Reactivity:** Reacts with Metals

Stability:	The product is stable
Hazardous decomposition products:	None reasonably foreseeable.
Materials to avoid:	Strong oxidizing agents, Red oxide, cement, Mosaic, aluminium, marble floors.
Conditions to avoid:	Excess heat, exposure to moist air water.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact, Skin contact, Inhalation, Ingestion

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering.

Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

Sensitization: No known effects.

12. ECOLOGICAL INFORMATION

Eco toxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Undiluted product is regulated under environmental and transportation laws as a corrosive waste.

Dispose of according to all federal, state and local applicable regulations.

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

EEC Regulation: C, CORROSIVE, Phosphoric Acid, Solution, UN1805, Hazchem 2R.

IMDG/UN: Phosphoric Acid, Solution, UN1805, Class 8, PG III.

ICAO/IATA: Passenger Aircraft: 819, Y819
Cargo Aircraft: 821t.

15. REGULATORY INFORMATION

International Inventories:

None of the ingredients used in the formulations are listed as hazardous and carcinogens under the OSHA, NTP and IARC lists

16. OTHER INFORMATION

NEPA

Health: 3
Flammability: 0
Reactivity: 1

HMIS

Health hazards: 3
Flammability: 0
Physical hazards: 0
Personal protection: C

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END OF MSDS