

According to ISO 11014

Original prep date: 05-11-1997

Last revision date: 12-08-2022

Section 1: Chemical product and company information

Trade name: Diner-scale

Product details: Limescale remover

Manufacturer: Industroclean (Pty) Ltd
Corner Picaroon & Raft Street
Laserpark
Honeydew
2040

Emergency telephone number: 27 11 801 4600

Recommended uses:

Removes limescale residues found in kettles, urns, bain maries etc.

Restrictions: None.

Section 2: Hazards identification

Classification of the mixture: Category 5

Signal word: Warning

Hazard symbol:



Hazard statements:

H303 – May be harmful if swallowed

H313 – May be harmful in contact with skin

H333 – May be harmful if inhaled

Section 3: Composition / Information on ingredients

Description: Mixture

Hazardous components: None

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Section 4: First aid measures

Inhalation: P340: Remove to fresh air and keep at rest in a position comfortable for breathing. P304+340: Call a poison centre or doctor/physician if you feel unwell.

Skin contact: P350: Gently wash with plenty of water.

Eye contact: P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313: Get medical advice/attention.

Ingestion: P331: Do not induce vomiting. P312: Call a poison centre or doctor/physician if you feel unwell.

Section 5: Fire-fighting measures

Suitable extinguishing agents: Water spray jet, extinguishing powder, CO₂, foam.

Unsuitable extinguishing agents: None

Advice for fire-fighters: Wear self-contained breathing apparatus.

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Particular danger of slipping on leaked/spilled product. Wear protective clothing (See section 8). Keep unprotected persons away. When selecting the protective suit, attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots must be made of neoprene, complete face protection and nitrile-rubber gloves with long tops should be worn.

Environmental precautions: As the undiluted product is hazardous for the aquatic environment, it must be prevented from reaching surface water. Prevent from spreading (e.g. by enclosing with a ring of chemical absorbent). Inform authorities in case of contamination of water or sewage system.

Methods and material for containment and cleaning up: Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.

Section 7: Handling and storage

Precautions for safe handling: Provide good room ventilation or local exhaust ventilation at the workplace.

Requirements to be met by storerooms and containers: Ensure sufficient ventilation. Store only in the original container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

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Section 8: Exposure controls and personal protection

Components with critical values that require monitoring in the workplace: None

P280: Wear nitrile rubber gloves/protective clothing and eye protection

P285: In case of inadequate ventilation, wear respiratory protection such as a dust mask FFP1



Section 9: Physical and chemical properties

Description	Result
Appearance	Liquid
Colour	Yellow
Odour	Characteristic
Melting / Freezing range	Not determined
Boiling point / Boiling range	> 100°C
Flash point	Not applicable
Self-inflammability	Not applicable
Danger of explosion	Not applicable
Density at 20°C	1.080 g/cm ³
Miscibility with water	Completely miscible
pH value concentrate at 20°C	0.5 ± 0.5

Section 10: Stability and reactivity

Chemical stability: No decomposition up to the boiling point. Under recommended storage conditions, this product is stable for up to 3 years.

Reactions: No dangerous reactions known.

Incompatible materials: None

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Section 11: Toxicological information

Acute oral toxicity estimate: $<2000 \leq 5000$

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Section 12: Ecological information

Environmental exposure of the product will vary depending on solution strength, application method and rate. The degree of dilution and dispersion and meteorological conditions as well as subsequent biodegrading of surfactants will affect exposure concentration and duration.

Quantitative activity relationships for aquatic toxicity and log K_{ow} for predicting readily biodegradation are not yet sufficiently accurate to predict rapid degradation.

Section 13: Disposal considerations

Taking into consideration the hazardous components and the dilution of this product at the strongest recommended dosage, this product can be safely disposed according to the local municipal, provincial or national regulations. Dispose of packaging in an approved receptacle or incinerator.

Section 14: Transport information

- Packaging group: III
- UN Number: 1760
- Proper shipping name: Corrosive liquid, N.O.S
- Class of division: 8



Section 15: Regulatory information

- OHSA Amendment Act 181 of 1993
- Regulations for Hazardous Chemical Agents, 2021
- National Environmental Management Act as Amended and Regulations
- Relevant South African National Standards
- Duty to Care
- Metropolitan Municipal Services By-Laws
- Globally Harmonized System
- Department of Employment & Labour (Competent Authority for SDS's in SA)

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Section 16: Other information

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks pertaining to the use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use of suitability of the product. Appropriate warning and safe handling procedures should be provided to handlers and users.

Data sheet prepared by: SHEQ Manager